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NEW PRODUCT CATALOG

2004 VOL.1

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Fantom X6/X7/X8

New Generation
Workstation Keyboards

Roland®

The Standard By Which All Other
Workstations Are Measured.



*Products pictured are prototype models.

The Fantom-X Series are the world's first "Giga-Workstation" keyboards, giving musicians nearly 1GB of wave memory when fully expanded and powerful 128-voice polyphony. The synthesis section's new waves include a gorgeous 88-key split stereo-sampled piano, plus room for 4 SRX expansions. The sampler can be upgraded to 544MB of RAM, which provides enough recording time to use it like a digital recorder. The Fantom-X Series is also the first line of workstation keyboards with a color LCD screen. Between these features and their sleek new looks, the Fantom-X Series is poised to become the workstation of choice.

- 128-voice workstations with 61-note keyboard (Fantom-X6), 76-note keyboard (Fantom-X7), or 88-note (Fantom-X8) Progressive Hammer-Action Keyboard
- Seamless integration of audio and MIDI using gorgeous new ROM waves and sampling with realtime timestretch capability
- 128MB wave ROM includes quality-focused sounds like 88-key split piano and more
- 32MB sample RAM expandable to 544MB with optional DIMMs
- New color LCD screen—a first in a workstation keyboard!
- Innovative features like Skip Back Sampling, Dynamic Pad Bank and V-LINK*
- 3 MFX processors, plus dedicated reverb, chorus and mastering processor
- USB port for MIDI, .WAV/AIFF file exchange and 4x SRX expansion
- PC card slot for backing up samples and data with up to 1GB capacity
- 4 Line outputs (2 stereo or 4 mono), stereo Line input and 24-bit S/PDIF I/O

*V-LINK requires optional Edirol DV-7PR with software version 1.50 or higher.

Powered by Roland's Groundbreaking New Synthesis Chip

The new Fantom-X Series comes in a choice of three keyboards, but they all have one thing in common: Roland's new sound generator chip. This chip is Roland's most powerful to date, and it not only makes it possible to play expressive 4-tone Patches with 128-voice polyphony, but it also raises the Fantom-X Series' waveform capacity to approximately 1GB when fully expanded—far more memory than any other musical instrument on the market. What's more, the internal wave ROM has been doubled with quality-focused sounds that will please even the most jaded player.

Sampler or Digital Recorder?

Thanks to the power afforded by the new sound generator chip, you get both. That's because the Fantom-X is the first workstation keyboard capable of handling audio on the level of a digital recorder. This means you can record either short samples for playback on the keyboard, or long, linear takes similar to a digital recorder. And with room for up to 544MB of sample RAM, there's plenty of recording time available. Samples can be slaved to tempo with realtime timestretching and edited using powerful tools like Wave Edit and Chop. Users are free to load samples in .WAV and AIFF formats and back up data to convenient PC cards with up to 1GB capacity.



Expressive New Sounds Aboard

When Roland engineers developed the Fantom-X Series, they wanted to fully exploit the potential of the new chip. That's why each keyboard comes with a brand new 128MB wave ROM loaded with quality-focused sounds like vivid new string sections, expressive and fat-sounding drums, rich nylon string guitars and an amazing 88-key split acoustic piano, which uses individual stereo multi-samples for each key and every velocity stage. Would you believe there are over 700 samples used in this single Patch? Many of the instruments were recorded in world-class studios using vintage tube microphones with the highest quality preamps and converters, and were mixed by respected studio engineer/producer Dan Blessinger (Martinsound)—resulting in a level of quality and musicality rivaled by few.

The Only Workstations with Skip Back Sampling and a Dynamic Pad Bank

First introduced on the Fantom-S, Roland's Skip Back Sampling has become popular with musicians for its ability to instantly retrieve a performance and turn it into a sample. With Skip Back Sampling, your ideas never get lost because the sampler is constantly recording every note you play—be it on the keyboard or Dynamic Pad Bank—while keeping the musical bars in tact. Speaking of which, these 16 velocity- and aftertouch-sensitive pads now sport twice the polyphony and an improved feel for even more natural drum programming and sample triggering.

A True Audio/MIDI Workstation

Whether sequencing MIDI tracks, triggering samples from the Dynamic Pad Bank, or even recording audio directly to RAM, the Fantom-X Series makes putting it all together a seamless process. Lay down a drum track by combining the internal drum sounds with loops, which can automatically sync to tempo via realtime timestretch. Then record some keyboard parts as MIDI and finish your song by tracking a guitar or vocal as audio. The high-resolution sequencer boasts up to 400,000-note capacity and supports Standard MIDI File (SMF) import and export, making the Fantom-X by far the best workstation in history.

Dazzling Color LCD Screen

The Fantom-X Series is the first line of workstation keyboards with a color LCD screen. And once you've seen this display's smart, color-coded screens, you'll never want to go back! With all the menus and screens in color, navigating the Fantom-X becomes that much more a pleasure. Even the bitmap images appear more lifelike, adding to the overall experience.

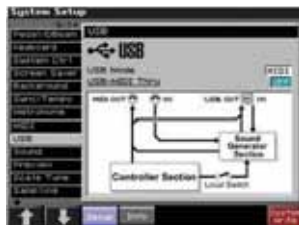


Complete Studio Effects and Mastering Tools

Onboard effects include separate reverb and chorus processors, plus three multi-effects processors loaded with sound sculpting tools ideal for creative sampling. These include algorithms like COSM® Guitar Amp Modeling, Lo-Fi processing, tempo-synced delay, Slicer, Isolator, multiple effects chains and more. (In Performance mode, all three MFX can be configured for full parallel or complete serial use—or any combination in between.) When you're ready to mix down, simply switch on the dedicated Mastering processor with multi-band compression for tight, punchy mixes.

Get Connected with USB

The onboard USB port serves two functions: First, it can be used as a USB-MIDI interface, eliminating the need for an external MIDI interface. Second, it can be used to import and export audio in .WAV/AIFF format. Now it's easy to bring in samples from your computer and use them in a sequence. Likewise, you can quickly mix down your song, re-sample it in stereo, and then transfer the file to a computer for CD-burning.



V-LINK: The Future of Performance

The Fantom-X Series is not only a great choice for studio musicians, but also for live performers. Using Roland's V-LINK technology, musicians can trigger and manipulate video clips when connected to an Ediol video editor like the DV-7PR. Imagine being able to instantly trigger clips from the Dynamic Pad Bank, or create transitions and effects using the pitch bender and knobs. It's a live performer's dream!

Dedicated Piano Button

Choose the Fantom-X8 model, and you'll get an 88-note Progressive Hammer-Action Keyboard designed to capture the feel of a fine concert grand. It's the perfect way to play the amazing

new 88-key split piano Patch, which can be instantly called up by pressing the Fantom-X Series' dedicated Piano button. Of course, this button can be reprogrammed to call up a different Patch or Performance in any order, so it's almost like having an extra Favorite Sounds button. Regardless of which model you choose, you'll find nothing else compares to the new Fantom-X.



"I have really enjoyed capturing these sounds for the new Roland products. I am passionate about quality and used the best tube microphones, microphone preamps and A/D converters that money can buy to record these sounds. While mixing these samples, I approached it as if I were mixing a record or a film score. I hope you enjoy them!"



Dan Blessinger

Dan is a recording engineer/producer who has worked on projects with the likes of Barbra Streisand, Prince, 311, The London Symphony Orchestra, Yo Yo Ma, The Los Angeles Master Chorale as well as Films for Universal Pictures, Morgan Creek Entertainment, Warner Brothers and Disney to name a few. He has served 12 years as Engineer at Martinsound Studios in Los Angeles, which is known around the world for developing high fidelity, cutting edge audio technology as well as audiophile recordings.

Fantom-X6/X7/X8 Specifications

■ **Keyboard** [X6] 61 keys (with velocity and channel aftertouch), [X7] 76 keys (with velocity and channel aftertouch), [X8] 88 keys (Progressive Hammer Action Mechanism and channel aftertouch) ■ **[Sound Generator Section]** ■ **Maximum Polyphony** 128 voices (shared with the sampling section) ■ **Parts** 16 parts ■ **Wave Memory** 128 MB (16-bit linear equivalent) ■ **Waveforms** 1.436 ■ **Preset Memory** Patches: 1,024 + 256 (GM2), Rhythm Sets: 40 + 9 (GM2), Performances: 64 ■ **User Memory** Patches: 256, Rhythm Sets: 32, Performances: 64 ■ **Card Memory (PC card)** Patches: 256, Rhythm Sets: 32, Performances: 64 ■ **Effects** Multi-Effects: 3 systems, 78 types, Chorus: 3 types, Reverb: 5 types, Input Effects: 6 types, Mastering Effects: 3-band compressor ■ **[Sampling Section]** ■ **Data Format** 16-bit linear (File Type: .WAV/.AIFF) ■ **Sampling Frequency** 44.1 kHz (fixed) ■ **Maximum Sampling Time** Standard: 32 MB (mono: 360 sec. approx., stereo: 180 sec. approx.), Maximum (expanded with DIMM): 544 MB (mono: 102 min. approx., stereo: 51 min. approx.) ■ **Number of Samples** User memory: 2,000 (maximum total approximately 32 MB), Card memory: 7,000 (PC card) ■ **[Sequencer Section]** ■ **Tracks** Phrase tracks (16 MIDI channels per track): 16, Pattern track (16 MIDI channels per track): 1, Tempo track: 1, Beat track: 1 ■ **The Pattern Track** can hold up to 100 patterns. ■ **Resolution** 480 TPCN ■ **Tempo** 5–300 ■ **Note Capacity** approx. 400,000 notes ■ **Song Length** 9,998 measures ■ **Recording Method** Realtime recording, Step recording ■ **[Others]** ■ **Arpeggiator** Preset: 128, User: 128 ■ **Rhythm Pattern** Preset: 256 (32 groups), User: 256 (32 groups) ■ **Chord Memory** Preset: 64, User: 64 ■ **Display** Graphic 320 x 240 dots backlit

LCD (Color) ■ **Pads** 16 pads, Velocity and Aftertouch sensitive ■ **Controllers** Pitch Bend/Modulation Lever, Control Knob x 4, Assignable Switch x 2, D Beam Controller ■ **Connectors** Headphones Jack, A (MIX) Output Jacks (L/MONO, R), 1/4 inch TRS phone type, B Output Jacks (L, R), 1/4 inch phone type, Input Jacks (L/MONO/MIC, R), 1/4 inch phone type, Hold Pedal Jack (Half Pedal recognition), Control Pedal Jack (assignable), MIDI Connectors (IN, OUT, THRU), USB Connector (supports file transfer (mass storage class) and MIDI), Digital Audio Interface (COAXIAL INPUT/OUTPUT), AC Inlet ■ **Expansion Slots** [Expansion of waveforms and patches for the internal sound generator] SRX expansion boards: 4 slots, [Expansion of sampling memory] DIMM: 1 slot (supports 128 MB, 256 MB, 512 MB (3.3 V)) ■ **External Storage Device** PC card: 1 slot (supports SmartMedia and CompactFlash using a PC card adapter) ■ **Power Supply** AC 117 V, AC 230 V, AC 240 V (50/60 Hz), AC 220 V (60 Hz) ■ **Dimensions** [X6] 1050 (W) x 358 (D) x 125 (H) mm / 41-3/8 (W) x 14-1/8 (D) x 4-15/16 (H) inches, [X7] 1262 (W) x 358 (D) x 125 (H) mm / 49-11/16 (W) x 14-1/8 (D) x 4-15/16 (H) inches, [X8] 1408 (W) x 455 (D) x 165 (H) mm / 55-7/16 (W) x 17-15/16 (D) x 6-1/2 (H) inches ■ **Weight** [X6] 12.5 kg / 27 lbs 9 oz, [X7] 14.5 kg / 32 lbs, [X8] 29.5 kg / 65 lbs 1 oz ■ **Accessories** Handbook, Owner's Manual, Sound/Parameter List, Sample Data (Audio) CD, CD-ROM (Editor, USB MIDI driver), Sticker, Power Cord ■ **Options** Wave Expansion Board: SRX Series, Keyboard Stand: [X6] [X7] KS-12 / [X8] KS-17, Pedal Switch: DP Series, Foot Switch: BOSS FS-5U, Expression Pedal: EV-5

* The specifications are subject to change without notice.

Fantom XR 128-voice Synthesizer/Sampler Module

Roland®

Absolute Power to Fuel Your Creativity.

The Fantom-XR brings powerful sampling and synthesis to a convenient 1U rack module. With room for over 1GB of sounds, this affordable module sets a new standard for expandability. The 128MB internal wave ROM includes expressive new Patches like an 88-key split piano, plus room for six SRX expansions. Full-blown user sampling is also supported, along with .WAV/AIFF compatibility for loading samples via USB. And with PC Card storage, the Fantom-XR makes backing up data quick and easy.

COSM

GENERAL
MIDI 2

USB



*Product pictured is a prototype model.

- 1U rackmount synthesizer/sampler with capacity for over 1GB of sounds
- 128-voice polyphony and expressive 4-tone stereo multiplex synthesis
- Flexible user sampling with .WAV/AIFF compatibility
- 128MB wave ROM expandable to 512MB via 6 optional SRX boards
- 16MB sample memory expandable to 528MB with optional DIMMs
- 3 MFX processors, plus separate reverb, chorus and mastering effects
- USB port and optional PC Card storage with up to 1GB capacity
- 2 stereo (4 mono) analog outputs, stereo analog input, plus S/PDIF digital I/O

New 128-Voice Sound Engine

Like the Fantom-X keyboards, the Fantom-XR module is based on Roland's powerful new sound generator chip. This chip delivers maximum audio processing performance at a great price—including an expressive stereo 4-tone synthesis engine with 128-voice polyphony. The internal 128MB wave ROM includes quality-focused waveforms—like Roland's amazing 88-key split piano (a multi-stage velocity-switched stereo sampled piano), lively new string ensembles, fat drum sounds and more—recorded using world-class studios and renowned engineers like Dan Blessinger (Martinsound). The internal wave ROM can be expanded up to 512MB using six optional SRX-Series expansions. No other module boasts this kind of sound library!

User Sampling and More

Out of the box, the Fantom-XR ships with a 16MB sample memory for loading .WAV/AIFF files via USB or for recording your own sounds via the analog and digital inputs. A host of sample editing tools—including a Wave Edit screen, Chop function and real time timestretching—give you plenty of control over your samples. And by adding optional DIMM memory, you can load up to 528MB of audio into the Fantom-XR. Combined with a fully expanded wave ROM, that's over 1GB of sounds! Editor software will be bundled for detailed Patch editing and backing up data is easy using optional PC Cards (up to 1GB) or via USB.



■ LCD Display Example

Made for Sequencing

Even without an internal sequencer, the Fantom-XR's 128 voices and capacity for over 1GB of waveforms make it the perfect module for use with a computer or hardware sequencer. In fact, it boasts the same tight integration of audio and MIDI as its keyboard cousins, but with greater expandability. Just MIDI it up to your sequencer of choice, and let the Fantom-XR automatically sync up all your audio loops to tempo using a high-quality real-time timestretching algorithm. You can even record linear audio phrases and play them back from RAM like a digital recorder!

Studio-Quality Effects and Mastering Tools

The Fantom-XR boasts the same powerful effects processing found in the Fantom-X keyboards—including three multi-effects processors that can be freely configured, plus separate reverb and chorus processors. The multi-effects are extremely powerful with algorithms ranging from COSM® Guitar Amp Modeling and Lo-Fi processing to tempo-synced delay, Slicer, Isolator and more. A dedicated Mastering processor serves up tools like multi-band compression to give your music a tighter, punchier sound.

The Simplicity of USB

The onboard USB port can be used as a USB-MIDI interface—perfect for sequencing the Fantom-XR from a computer. USB also makes for a great way to transfer audio files to and from the module—just connect a cable, then drag and drop away. The Fantom-XR can import and export .WAV and AIFF files, making it compatible with a wide variety of sounds available on CD-ROM and via the Internet. Give your music a serious sonic upgrade with the Fantom-XR.

Fantom-XR Specifications

[Sound Generator Section] ■ **Maximum Polyphony** 128 voices (shared with the sampling section) ■ **Parts** 16 parts ■ **Wave Memory** 128 MB (16-bit linear equivalent) ■ **Waveforms** 1,436 ■ **Preset Memory** Patches: 1,024 + 256 (GM2), Rhythm Sets: 40 + 9 (GM2), Performances: 64 ■ **User Memory** Patches: 256, Rhythm Sets: 32, Performances: 64 ■ **Card Memory (PC card)** Patches: 256, Rhythm Sets: 32, Performances: 64 ■ **Effects** Multi-Effects: 3 systems, 78 types, Chorus: 3 types, Reverb: 5 types, Input Effect: 6 types, Mastering Effect: 3 bands Compressor [Sampling Section] ■ **Data Format** 16-bit linear (File Type: .WAV/.AIFF) ■ **Sampling Frequency** 44.1 kHz (fixed) ■ **Maximum Sampling Time** Standard: 16 MB (mono: 180 sec. approx., stereo: 90 sec. approx.), Maximum (expanded with DIMM): 528 MB (mono: 99 min. approx., stereo: 49 min. approx.) ■ **Number of Samples** User memory: 2,000 (maximum total approximately 16 MB), Card memory: 7,000 (PC card) [Others] ■ **Arpeggiator** Preset: 128, User: 128 ■ **Rhythm Pattern** Preset: 256 (32 groups), User: 256 (32 groups) ■ **Chord Memory** Preset: 64, User: 64 ■ **Display** Graphic 160 x 48 dots backlit LCD

■ **Connectors** Headphones Jack, A (MIX) Output Jacks (L/MONO, R): 1/4 inch TRS phone type, B Output Jacks (L, R): 1/4 inch phone type, Input Jacks (L/MONO/MIC, R): 1/4 inch phone type, MIDI Connectors (IN, OUT, THRU), USB Connector (supports file transfer (mass storage class) and MIDI), Digital Audio Interface (COAXIAL INPUT/OUTPUT), AC Inlet ■ **Expansion Slots** [Expansion of waveforms and patches for the internal sound generator] SRX expansion boards: 6 slots, [Expansion of sampling memory] DIMM: 1 slot (supports 128 MB, 256 MB, 512 MB (3.3 V)) ■ **External Storage Device** PC card: 1 slot (supports SmartMedia and CompactFlash using a PC card adapter) ■ **Power Supply** AC 117 V, AC 230 V, AC 240 V (50/60 Hz), AC 220 V (60 Hz) ■ **Dimensions** 481 (W) x 355 (D) x 45 (H) mm / 18.15x16 (W) x 14 (D) x 1.13x16 (H) inches ■ **Weight** 4.7 kg / 10 lbs 6 oz ■ **Accessories** Handbook, Owner's Manual, SoundParameter List, Sample Data (Audio) CD, CD-ROM (Editor, USB MIDI driver), Sticker, Power Cord ■ **Options** Wave Expansion Board: SRX Series

* The specifications are subject to change without notice.

**"Phantom" is a registered trademark of and is licensed by Phantom Guitar Works, Inc.

SRX-10

"Big Brass Ensemble" Wave Expansion Board

Roland®

The Definitive Brass Collection.

The SRX-10 "Big Brass Ensemble" includes a superb collection of brass sounds suited for pop music, film scoring, classical and more. Thanks to the work of talented studio engineers like Dan Blessinger (Martinsound), each of the SRX-10's Patches captures the true articulations and feel of traditional brass instruments and ensembles—including realistic "falls"—allowing composers to arrange brass parts with startling realism. It's perfect for use with other SRX expansions like SRX-04 "Symphonique Strings."



*Product pictured is a prototype model.

- High-quality wave expansion board with instant access to realistic brass sounds
- Patches include a variety of individual instruments and brass sections

- Waveforms capture true articulations and feel like falls, etc.
- Great for pop music, rock, film scoring and classical arrangements

Create Realistic Brass Arrangements

Roland's SRX-Series has earned a reputation for offering nothing but the finest sounds, and the new SRX-10 "Big Brass Ensemble" is no exception. This high-quality expansion can be used to create rich, dynamic brass arrangements—especially when used with the 128-voice Fantom-X Series and other SRX-Series expansions like SRX-04 "Symphonique Strings" and SRX-06 "Complete Orchestra."

Superior Programming for Better Sounds

Tired of scrolling through hundreds of useless CD-ROM sounds? Each of the SRX-10's Patches gives players instant access to the perfect brass sound—including trumpets, trombones, French horn and tuba—with realistic falls. Whether arranging a pop or rock tune, film score, or even classical music, you'll find this collection indispensable. With multiple velocity switches and waveforms that capture every nuance of real brass instruments, your music will truly come alive.

VC-1

"D-50 for V-Synth" V-Card

Roland®

The Legendary D-50 Reborn.

Roland's new V-Cards are a series of PC Cards capable of turning the V-Synth™ into a variety of retro- and future-oriented synthesizers. The first card is the VC-1, which magically transforms the V-Synth into Roland's legendary D-50 L/A Synthesizer. Simply pop in the card, power up, and you'll be taken back to the year 1987, when Roland's D-50 ruled supreme. Relive the D-50 in all its glory—including full programmability and all the original Patches like "Digital Native Dance," "Living Calliope" and more. Every circuit and precise detail of this legendary synthesizer has been faithfully modeled. It doesn't just sound like a D-50, it *is* a D-50! Look for more V-Cards in the future. Only from Roland.



*Product pictured is a prototype model.

- PC Card turns the V-Synth into a complete and accurate reconstruction of Roland's groundbreaking D-50 L/A Synthesizer
- Includes all original presets like "Fantasia," "Living Calliope" and "Intruder FX"
- Full programmability using the V-Synth's touchscreen, knobs and sliders

- TimeTrip Pad serves as D-50's Partial Balance joystick
- Original D-50 Patches can be loaded via MIDI bulk dump
- D-50 firmware loads instantly when booted with card*

*When card is inserted, only D-50 synthesis can be accessed. Normal V-Synth functions cannot be used unless rebooted without card.

A Real D-50 with Complete Sound Editing

All of the original D-50 parameters are included, allowing you to program true D-50 Patches using the V-Synth's touchscreen, physical knobs and sliders. Even the D-50's unique Partial Balance joystick function can be re-created with the TimeTrip Pad. And here's the best part: original D-50 Patch data can be loaded into the V-Synth via MIDI bulk dump, allowing users to take advantage of the hundreds of alternate D-50 sounds that were available. With the D-50 Card, Roland takes the cutting-edge V-Synth into the past and future—forever.



D-50 Sound Chart

	1	2	3	4	5	6	7	8
1	Fantasia (D)	Metal Harp (D)	Jazz Guitar Duo (D)	Arco Strings (D)	Horn Section (D)	Living Calliope (D)	D-50 Voices (D)	Slow Rotor (D)
2	Digital Native Dance (D)	Bass Marimba (D)	Flute-Piano Duo (S)	Combie Strings (D)	Harpichord Stabs (D)	Gnitrattar (D)	Nylon Atmosphere (D)	Synthetic Electric (D)
3	Breathy Chiffer (D)	Gamelan Bell (D)	Slap Brass (D)	Pressure Me Strings (D)	Rich Brass (D)	Pipe Solo (D)	Soundtrack (D)	Cathedral Organ (D)
4	Shamus Theme (D)	Vibraphone (D)	Basin Strat Blues (S)	Pizzapogo (D)	Flutish Brass (D)	Pressure Me Lead (W)	Spacious Sweep (W)	Piano-Fifty (D)
5	Glass Voices (D)	Hollowed Harp (D)	Ethnic Session (D)	Jete Strings (D)	Stereo Polysynth (D)	Time Wave (D)	Syn-Harmonium (W)	Rock Organ (D)
6	Staccato Heaven (D)	Oriental Bells (D)	E-Bass and E-Piano (S)	Legato Strings (D)	JX Horns-Strings (D)	Shakuhachi (D)	Choir (D)	Picked Guitar Duo (D)
7	Nightmare (D)	Syn Marimba (D)	Slap Bass'n Brass (S)	String Ensemble (D)	Veio-Brass (W)	Digital Cello (D)	OK Chorale (D)	Pianissimo (D)
8	Intruder FX (D)	Steel Pick (D)	Synth Bass (D)	Afterthought (D)	Bones (D)	Bottle Blower (D)	Future Pad (D)	PCM E-Piano (D)

W=WHOLE, D=DUAL, S=SPLIT

FP-2 Digital Piano

Roland®

The Right Fit for Any Piano Player.

The FP-2 Digital Piano answers the need for a lightweight and compact digital piano while keeping the feel of a fine concert grand. This affordable instrument comes with an 88-note Progressive Hammer-Action Keyboard, superb piano and instrument sounds and a refined new look with onboard speakers. A new Sound Control function gives players deeper, richer piano tones, while the onboard Session Partner provides easy auto-accompaniment. Great looks and even better performance. That's the Roland FP-2.

V-LINK

GENERAL
MIDI 2

USB



*Actual product appearance may be subject to change.

- Compact, lightweight digital piano with stylish black and silver design
- 88-note Progressive Hammer-Action Keyboard for dynamic playing
- 64-voice sound engine with expressive new pianos, bass and harpsichord
- Sound Control function with 4-band equalizer for creating richer sounds
- Session Partner provides backing accompaniment in 80 musical styles
- Onboard USB-MIDI interface; GM2-compliant

Lightweight Cabinet with Speakers

With space more and more at a premium, the FP-2 arrives as the perfect way to put a grand piano in your home. This stylish digital piano's lightweight design makes it easy to move, while its compact body fits almost anywhere. And with high-quality speakers built in, you can enjoy lively performances with all the excitement of an acoustic grand.

Newly Designed Progressive Hammer-Action Keyboard

Thanks to some clever engineering, Roland was able to put an 88-note Progressive Hammer-Action Keyboard into the FP-2's compact body. These full-sized keys feature a dynamic touch weight variation—with a heavier touch in the lower range and lighter touch in the upper range—giving players a truly authentic feel. From delicate pianissimo to vibrant forté, the FP-2 delivers.

Sound Control with 4-Band EQ

The FP-2 is Roland's first digital piano with Sound Control, an easy-to-use feature that can instantly enhance the lower register of the piano sounds for deeper, richer tone. A 4-band digital equalizer is also available, making it possible to precisely tailor the onboard piano sounds to your liking—use the upper frequencies to "brighten" your sound, or add more warmth with the lower frequencies.



■ Keyboard Stand (FPS-11A) is sold separately

Play Along with the Session Partner

Roland's Session Partner has become very popular, thanks to its ability to create instant auto-accompaniment in a variety of musical styles. The FP-2's Session Partner has 80 rhythm and accompaniment patterns—including ballads, jazz, Latin and 12 new styles. Players can choose to play along with a full accompaniment including chords, bass and drums and even create their own chord progressions. It's easy and fun!

Easy Connection to Computers

With USB standard, you can connect the FP-2 to a computer and use it as a sound source for sequencing or as a high-quality controller. The FP-2 is also GM2-compliant, making it easy to use with Standard MIDI Files. So whether you want to write music on your computer or just sit down and play, the FP-2 is a great way to do it.



■ FP-2 Rear Panel

FP-2 Specifications

■ **Keyboard:** 88 keys (hammer action keyboard) ■ **Touch Sensitivity** Light/Normal/Heavy/Fixed (adjustable velocity) ■ **Keyboard Mode** Whole, Dual, Split (adjustable split point) ■ **Sound Generator:** ■ **Conforms to General MIDI 2 System** ■ **Max. Polyphony** 64 voices ■ **Tones** Tones: 6 groups 58 variations (include 4 Drum Sets), GM2 Tones: 256 + 9 Drum Sets ■ **Effects** Reverb, Multi Effects (10 Types), Sound Control (3 Types), 4-band Digital Equalizer ■ **Transposition** -6 to +5 (semitone steps) ■ **Temperament** 7 types, selectable tonic ■ **Master Tuning** 415.3 Hz to 466.2 Hz (0.1 Hz Step) ■ **Session Partner:** ■ **Rhythms** 80 Rhythms ■ **Chord Progression** Automatic or input with keyboard; User Programmable ■ **Recorder:** ■ **Metronome** Beat: 2/2, 0/4, 2/4, 3/4, 4/4, 5/4, 6/4, 7/4, 3/8, 6/8, 9/8, 12/8, Volume: 10 levels ■ **Tracks** 3 tracks (only Rhythm sound can be recorded to Track [R] button.) ■ **Song** 1 song ■ **Tempo** Quarter note = 20 to 250 ■ **Resolution** 120 ticks per quarter note ■ **Setup** 6 ■ **Internal Songs** Demo songs: 8, Piano songs: 65 ■ **Speakers** 8 cm x 12 cm x 2 ■ **Rated Power Output** 7 W x 2 ■ **Display** 7 segments, 3 characters (LED) ■ **Connectors** Line Out jacks (L/Mono, R), Line In jacks (L/Mono, R), Phones jacks (rear panel) x 2, USB connector (MIDI), MIDI connectors (In/Out), Pedal jacks (Damper, Soft*, Sostenuto*) * Assignable, DC In Jack ■ **Power Supply** DC 9 V (AC adaptor) ■ **Power Consumption** 22 W ■ **Dimensions** FP-2 (Without the music stand): 1,291 (W) x 299 (D) x 125 (H) mm, 50-7/8 (W) x 11-13/16 (D) x 5 (H) inches ■ **Weights** FP-2: 14.6 kg / 32 lbs 3 oz ■ **Accessories** CD-ROM (Roland Digital Piano USB Driver), AC adaptor, Music Stand / 2 screws for the music stand, Pedal (DP-8), Spacer ■ **Options** Keyboard Stand (FPS-11A), Pedal (DP-2/8), Expression Pedal (EV-5)

* 0 dBu=0.775 Vrms
* The specifications are subject to change without notice.

F-50 Digital Piano

Roland®

Good Looks. Even Better Playability.

The F-50 Digital Piano brings stylish looks and professional sound together in an affordable instrument ideal for the home. With its light wood grain exterior, sleek lines and clear acrylic music stand, this beautiful instrument makes a statement wherever it is placed. To play the F-50 is just as sublime, thanks to superb Roland piano sounds and an 88-note Progressive Hammer-Action Keyboard.



*Actual product appearance may be subject to change.

- Compact digital piano with 64 voices and stylish light wood grain finish
- Expressive Progressive Hammer-Action Keyboard with adjustable key touch
- Rich, dynamic sounds and realistic touch create the feel of a full concert grand
- 20 onboard sounds designed to cover a range of musical styles and pieces
- Includes 65 demo songs for listening enjoyment and learning
- Built-in song recorder facilitates more effective practice and lessons

Elegant Wood Grain Cabinet

The first thing you'll notice about the F-50 is the elegant new look. With its streamlined appearance and light wood grain finish, this digital piano fits beautifully in your home—be it the living room, den or child's room. The clear acrylic music stand perfectly complements the F-50's smooth lines and form, making it a pleasure to see and play.

Inspiring Performance

The F-50 uses Roland's acclaimed Progressive Hammer-Action Keyboard for true grand piano feel. These keys feature an adjustable key touch and are weighted with a lighter touch in the upper range and a heavier touch in the lower range. Combined with the supplied DP-8 Half Damper Pedal, which supports a full range of pedal positions, players can enjoy greater expressiveness.

Superb Roland Sounds and Onboard Demo Songs

Choose from 20 preset sounds covering a variety of acoustic and electric pianos, plus organ, strings and more. Sounds can be layered in Dual mode, and you can also select among several "Split" tones for playing two sounds like bass on the left hand and piano or vibes on the right. The F-50's 60 demo songs include many classical favorites, plus there are five additional songs designed to familiarize players with specific sounds, such as piano, harpsichord and organ.

Record Your Own Songs

Ideal for students, the F-50's built-in Song Recorder is a great way to check one's playing for accuracy. It's also useful when practicing left- or right-hand parts, allowing the student to record one hand and then focus on practicing the other while it plays back. Features like these make the F-50 a great "first piano" for children or adults.



F-50 Specifications

<Keyboard> ■ **Keyboard** 88 keys (Hammer Action Keyboard) ■ **Touch Sensitivity** Light, Medium, Heavy, Fixed ■ **Keyboard Mode** Whole, Dual (adjustable volume balance) ■ **<Sound Generator>** ■ **Maximum Polyphony** 64 voices ■ **Tones** 20 tones in 5 groups ■ **Effects** Reverb (5 levels), Chorus (fixed for E. Piano only), Sympathetic Resonance (fixed for Piano only) ■ **Key Transposition** -6 to +5 (in units of semitone) ■ **Master Tuning** 415.3 Hz to 466.2 Hz (adjustable in increments of 0.1 Hz) ■ **<Recorder>** ■ **Song** 1 song ■ **Note Storage** Approx. 5,000 notes ■ **Control** Play/Stop, Recording, All Song Play ■ **Demo Songs** 65 songs (including five tone demo songs) ■ **Speakers** 10 cm x 2 ■ **Rated Power**

Output 5 W x 2 ■ **Connectors** Headphones Jack (Stereo 1/4 inch phone type) x 2, MIDI Connectors (In, Out), Output Jacks (L/Mono, R), Input Jacks (L/Mono, R), Pedal Jacks (Damper, Soft) ■ **Power Supply** DC 9 V (AC Adaptor) ■ **Power Consumption** 23 W ■ **Dimensions (without the Music Stand)** 1,337 (W) x 296 (D) x 760 (H) mm, 52-11/16 (W) x 11-11/16 (D) x 29-15/16 (H) inches ■ **Weight** 28.5 kg / 62 lbs 14 oz ■ **Accessories** AC Adaptor, Music Stand, Pedal (DP Series), Keyboard Cover

* 0 dBu=0.775 Vrms
* The specifications are subject to change without notice.

EXR-5/-3 Interactive Arranger

Roland®

Amazing Sounds and Interactive Control!

The Roland EXR-5 and EXR-3 Interactive Arrangers raise the bar for entry-level keyboards. Both models sport the latest high-quality sounds, 64-voice polyphony and over 100 music styles with Roland's unique "Cover" function for realtime orchestration. The powerful onboard speaker systems deliver rich sound, while USB and V-LINK capabilities extend the creative possibilities for beginners and pros alike.



*Actual product appearance may be subject to change.

- 61-note interactive arrangers with unprecedented sounds, styles and features
- 510 Tones and 20 drum kits including stereo-sampled pianos from the RD-Series
- Over 100 music styles with new Cover function for interactive arranging
- Superior speaker systems (Bass Reflex on EXR-5) with Digital Bass Enhancer
- 16-track sequencer for playing back Standard MIDI Files or composing new songs
- USB port for loading new songs and styles, plus floppy drive on EXR-5
- Flash memory supports updating styles and songs (up to 1.5MB of data)
- V-LINK* video control for integrating video and music

*V-LINK requires Edirol DV-7PR with software version 1.50 or higher.

Flagship Sounds for Less

The EXR-Series boasts a range of high-quality tones taken from Roland's legendary sound library. Of particular note are the piano sounds. These stereo-sampled pianos capture all the nuances of an acoustic grand—you won't believe how real they sound! Of course, there are also brass sounds, strings, organ, bass and more, playable with 64-voice polyphony. The sound engine also includes tone maps compatible with GM2/GS/XG-format songs.

Extensive Arranging Capabilities

With over 100 styles onboard, it's easy to create arrangements for the type of music you play. Each style was recorded by professional musicians, resulting in a realism not usually found in keyboards at this price. Variations can be created with the Style Orchestrator, while a unique Cover function lets you re-arrange styles and Standard MIDI Files on the fly.

Powerful Onboard Speakers

Both the EXR-5 and -3 come with powerful speaker systems designed to accurately reproduce the arranger's high-quality sounds. The low end is particularly powerful, thanks to new Digital Bass Enhancer technology, while the EXR-5's special Bass Reflex system delivers maximum punch.

Room to Grow

Because musical styles and tastes can change, the EXR-Series comes with Flash memory for updating the internal songs and styles. The User memory has room for up to 99 new styles and up to 99 songs (1.5MB total), which can be loaded in via USB. And with Roland's V-LINK technology, it's easy to integrate exciting visuals with your music.

A Snap to Use

Whether you're new to keyboards or a seasoned pro, you'll find the EXR-Series very straightforward. The large LCD display keeps the most important information at a glance, while dedicated buttons and a numeric keypad make selecting sounds and styles easy. And it doesn't hurt that the EXR-5 and -3 look cool, too!



EXR-5/-3 Specifications

■ **Keyboard** 61 keys with touch response ■ **Sound** 64 Voices polyphony, 510 panel tones, 20 Drum Kits, 542 XG tones, 256 GM2 tones, 19 Multitimbral Parts, GM2, GS, XG lite Compatible ■ **Song** 19 preloaded songs, plus Flash memory, User Song ■ **Display** Custom Backlit LCD ■ **One touch settings** 2 for each style ■ **Auto Accompaniment** Styles: 103 (84 factory +19 changeable) plus Flash memory, Division: Intro, Ending, Original, Variation, Fill-in x 2, Sync Start, Tap tempo, Bass Inversion, Arranger Chord, Arranger Memory ■ **Orchestrator** Yes, for Styles ■ **"Cover"** Yes, for Styles and Songs ■ **Music Assistant** Yes 126 ■ **Digital Effects** Reverb: 8 types, Chorus: 8 types, M-FX: 47 types, Melody Intelligence: 18 types ■ **Overall Controls** Song, Tone, Style, Music Assistant, Function, Disk, User Program, Family, Select, Tempo (+)(-), O-9, (+)(yes), (-) (no), Transpose, Dual, Split, Balance Accomp/Keyboard, Metronome On/Off, Melody Intelligent, Keyboard Touch,

USB, One Touch, V-Link, Demo ■ **Keyboard Mode** Piano-Arranger, Dual, Split ■ **User Programs** 10 ■ **Pitch Bender & Modulation** Yes ■ **Player/Recorder** 16 Tracks, 4 easy recorder mode: ALL, Count-In, Single, Punch IN/OUT ■ **Floppy Disk Drive** Yes (EXR-5 Only) ■ **Interface** MIDI IN/OUT, USB ■ **Jacks** Phones x 2, Output L/Mono R, Sustain, DC IN ■ **Output** EXR-5: 10 W x 2, EXR-3: 5 W x 2 ■ **Speakers** EXR-5: 13 cm x 2, EXR-3: 12 cm x 2 ■ **Bass Reflex System** Yes (EXR-5 Only) ■ **Rated Voltage** 12 V ■ **Dimensions** 1,020 (W) x 355 (D) x 132 (H) mm, 40-3/16 x 14 x 5-1/4 inches ■ **Weight** EXR-5: 8.0 kg, 17 lbs. 11 oz., EXR-3: 7.0 kg, 15 lbs. 7 oz. ■ **Accessories** Owner's Manual, USB cable, Adaptor, Music Rest ■ **System requirements for USB (Data Exchange)** Windows 2000/Me/XP, Mac OS 9.04 (or higher)

* The specifications are subject to change without notice.

VS8F-3 Plug-In Effect Expansion Board

Roland®

Put Plug-In Power In Your V-Studio!



The VS8F-3 Plug-In Effect Expansion Board is an easy and affordable way to add powerful plug-in effect processing to your V-Studio. Each board is capable of loading two high-quality plug-ins from Roland and 3rd party developers (sold separately). To get you started, there are five Roland plug-ins included right out of the box. And the sound quality is top-notch—thanks to 56-bit internal processing and up to 96kHz sound quality.



*Product pictured is a prototype model.

- Open platform card adds powerful plug-in processing to the latest V-Studios
- Superb sound quality: 56-bit processing and up to 96kHz sampling rate
- Runs 2 stereo (4 mono) plug-ins at 48kHz or 1 stereo (2 mono) plug-in(s) at 96kHz
- Includes 5 Roland plug-ins, plus support for optional 3rd party plug-ins
- Install up to two plug-ins per card
- 3rd party developers include Antares, IK Multimedia, Massenburg, Universal Audio and more

Includes Five Roland Plug-Ins!

Each VS8F-3 includes five high-quality Roland plug-ins that can be installed from a CD-ROM included in the box. Use the Pre-Amp Modeling plug-in to warm up any input or track, or improve your vocals with the Vocal Channel Strip, which can be inserted into two mono channels simultaneously. The new Tempo Mapping Effect makes it easy to create tempo-synced delays, while the Mastering Tool Kit provides all the EQ and dynamics tools needed for tight, punchy mixes.

Compatible with Many V-Studios

To use a VS8F-3 with a V-Studio, the software must be updated via a CD-ROM included in the box. Compatibility will be immediately available for the popular, top-of-the-line VS-2480 Series, VS-2400CD and the new VS-2000CD. Software updates for the VS-1680, VS-1880 and VS-1824 are planned for April 2004, giving plug-in processing power to all of Roland's most popular V-Studios.

Here are just a few of the optional plug-ins coming to the V-Studio platform.



Antares



Auto-Tune VS

Auto-Tune VS corrects intonation problems in vocals or solo instruments in real time, without distortion or artifacts, while preserving all of the expressive nuances of the original performance. Use preset scales or create custom scales to match any harmonic structure.



IK Multimedia



T-RackS

T-RackS gives musicians a complete set of mastering tools modeled after rare, vintage analog EQs and dynamics processors. Offering great sound quality and results while being very easy to use, it's no wonder T-RackS has become one of the most popular mastering suites available.



Massenburg DesignWorks



Massenburg DesignWorks High Resolution EQ

Simply one of the best EQs available, the Massenburg DesignWorks High Resolution EQ brings unprecedented clarity, fast response and smoothness to any mix. This 4-band fully parametric EQ uses up to 96kHz processing for pristine sound quality with plenty of analog character.



Universal Audio

UNIVERSAL AUDIO



VS-LA2A

Designed by the same manufacturer of the classic hardware version, the VS-LA2A is an exacting emulation of this legendary compressor, but made for your V-Studio. And operation is simple, thanks to a dedicated Limit/Compress switch and Input/Peak Reduction knobs.



VS-1176LN

This software version of Universal Audio's classic limiting amplifier offers ultra-fast attack time and analog "warmth" perfect for a variety of dynamics processing applications. Like the original, the VS-1176N supports the popular "All Buttons" mode.

*Note that the plug-ins shown are based on the appearance when used with the VS-Series' optional VGA monitor. As the plug-ins are still under development, actual product appearance and specifications are subject to change.

VS-2000CD Digital Studio Workstation

Roland®

Affordable Digital Recording with Plug-In Support.



*Actual product appearance may be subject to change.

- 20-track digital studio with 40GB hard drive, CD-RW drive and plug-in support
- 18 playback tracks, 320 V-Tracks and stereo mastering track
- Support for 24-bit and 16-bit recording at 44.1kHz
- 8 balanced XLR/TRS inputs with phantom power
- 40-channel digital mixer with channel dynamics and 4-band EQ, onboard effects and mastering tools
- New Harmony Sequence function adds realistic harmonies to vocals
- 3rd party plug-in support with optional VS8F-3 Effect Expansion Boards
- Tracks 17-18 double as stereo Rhythm Track with onboard drum sounds
- Support for mouse-based editing using optional VS20-VGA and monitor
- USB 2.0 for hi-speed data transfer, .WAV/AIFF import and .WAV export
- V-LINK video control support*

*V-LINK requires Edirol DV-7PR with software version 1.50 or higher (sold separately).

The VS-2000CD Digital Studio Workstation sets a new standard for affordable digital recording. With 20 tracks, 8 XLR inputs and support for 3rd party plug-ins using the optional VS8F-3, this next-generation V-Studio gives users the power to create like never before. Add the optional VS20-VGA with Version 2.0 software, and you can run your sessions with mouse and monitor for maximum control. A 40GB hard drive, CD-RW drive and USB 2.0 port come standard, making the VS-2000CD an incredible value.

Professional Recording at a Great Price

The VS-2000CD offers CD-quality recording at a choice of 16 or 24 bits. When in 16-bit mode, up to eight tracks can be recorded simultaneously with full 18-track playback and a stereo mastering track. Choose the high-quality 24-bit mode, and you get up to 8-track simultaneous recording and 12-track playback. An internal 40GB hard drive provides hours of reliable multitrack recording, while 320 Virtual Tracks give you all the room you need to be creative and "comp" the perfect take.

40-Channel Digital Mixer with XLR Inputs

Whether you want to mic up a drum set or record multiple vocalists, you'll appreciate the VS-2000CD's eight XLR/TRS inputs with phantom power. Want to record a guitar? There's a Hi-Z input as well, plus a S/PDIF digital input. The VS-2000CD's 40-channel digital mixer makes mixing inputs, tracks and effect returns a snap—thanks to 17 faders and dedicated Channel Edit knobs. In addition, there are four knobs for controlling the dynamics and 4-band EQ for any input or track.

Studio-Quality Effects and CD-RW Drive

Right out of the box, the VS-2000CD comes with onboard effects that include essentials like reverb, delay and chorus, plus dynamics processors, EQ and more. You also get access to Roland's coveted COSM® effects like guitar amp and mic modeling. When you're ready master, select the Mastering Tool Kit with multi-band compression and burn a CD via the internal CD-RW drive.

Your Choice of Optional 3rd Party Plug-Ins

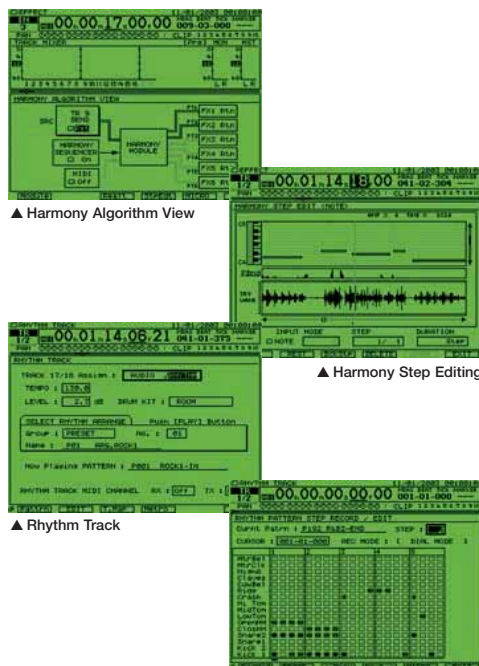
By installing an optional VS8F-3 Effect Expansion Board (the VS-2000CD has room for two), you can bring the exciting world of plug-ins right to your V-Studio. Every VS8F-3 includes a selection of high-quality Roland plug-ins to get you started, and with optional plug-ins available from a growing list of 3rd party developers—including Antares, IK Multimedia, Massenburg, Universal Audio and others—it's an exciting time to own a V-Studio.



Helpful Tools for Better Recordings

The VS-2000CD comes with several new tools designed to help you make better recordings—and better music. Using the new Harmony Sequence function, vocalists can add instant harmonies to their performance. You can even program drums on Tracks 17-18 using the new Rhythm Track feature. With lots of preset drum sounds included, it's like having a built-in drum machine! A handy chromatic tuner is also included so guitarists can tune up before recording.

■ LCD Display Examples



▲ Harmony Algorithm View

▲ Harmony Step Editing

▲ Rhythm Track

▲ Rhythm Pattern Step Recording/Editing

Graphical Editing Support

By adding the optional VS20-VGA Output Board (with Version 2.0 software), users gain full mouse and monitor support—making the VS-2000CD feel more like using software. Simply connect your VGA monitor and mouse, and you can perform drag-and-drop editing and mix your tracks using a sleek software interface. With a mouse and monitor, you get the best of both worlds: reliable Roland hardware with the speed and flexibility of software.

■ VGA Display Examples



Do More with USB 2.0

With USB 2.0, you can transfer data between the VS-2000CD and a computer quickly and easily. This new generation of USB offers more than twice the bandwidth of the previous USB standard, making it faster than ever to load audio to and from your V-Studio. Using the bundled conversion software for Mac and PC, you can transfer V-Studio files to your computer desktop, where they can be converted to .WAV or AIFF format. Or simply use the built-in CD-RW drive to load and convert .WAV/AIFF files, or convert V-Studio files to .WAV format for export.

V-LINK for Audio/Visual

Thanks to Roland's V-LINK technology, you can easily integrate video material with your music. Just connect an optional Edirol video editor, and you can trigger clips or create effects like transitions and dissolves using the VS-2000CD's faders.



*Shown with the optional VS20-VGA VGA and Mouse Operation Expansion.

VS-2000CD Specifications

■ **Tracks** Tracks: 18 + 2 Master Tracks, V-Tracks: 320 (16 V-Tracks per each Track)
 ■ **Sample Rate** 44.1 kHz ■ **Recording Mode** Linear 24 bits (M24), Linear 16 bits (M16), CD Writing (CD-R) ■ **Master tracks** only ■ **Maximum Simultaneous Recording/Playback Tracks** 8 tr. Rec / 18 tr. Play (M16), 8 tr. Rec / 12 tr. Play (M24) *Depending on the organization of the song data, the disk drive performance, etc., the number of tracks that can be simultaneously recorded or played back may be limited. ■ **Internal Hard Disk Drive Capacity** 40 GB ■ **Recording Time (10 GB Partition, calculated for 1 track)** 1,340 min. (M24), 2,020 min. (M16) *The above-listed recording times are approximate. Times may vary slightly depending on the specifications of the disk drive and the number of songs that were created. *Maximum recording time of VS-2000CD is approximately 4 times of above recording time. (approximately 10 GB x 4 partitions) ■ **Frequency Response** 20 Hz—20 kHz (+0dB/-2dB) ■ **Projects** 200 projects in each partition ■ **Marker** 1000 per project ■ **Locator** 96 (16 x 6 banks) per project ■ **Scene** 96 (16 x 6 banks) per project ■ **Undo/Redo** 999 Undo / 1 Redo ■ **Nominal Input Level (variable)** Input 1—8: -50—+14 dBu (maximum +26 dBu: balanced, maximum +20 dBu: unbalanced), Guitar (Hi-Z): -50—+14 dBu (maximum +20 dBu) ■ **Input Impedance** Input 1—8: 32 kΩ (balanced), Guitar (Hi-Z): 1 MΩ ■ **Nominal Output Level** Master Out: +4 dBu (balanced), AUX (L, R): 0 dBu (unbalanced), Monitor Out: 0 dBu (unbalanced) ■ **Output Impedance** Master Out: 600 Ω, AUX (L, R): 300 Ω, Monitor Out: 300 Ω, Phones: 22 Ω ■ **Recommended Load Impedance** Master Out: 10 kΩ or greater, AUX (L, R): 10 kΩ or greater, Monitor Out: 10 kΩ or greater, Phones: 32 Ω

■ **Residual Noise Level (INPUT SENS: LINE, IHF-A, typ.)** Master Out: -86 dBu or less, AUX: -86 dBu or less, Monitor Out: -86 dBu or less ■ **EQ** 4-band (2 shelving + 2 peaking) ■ **Dynamics Processor** Compressor, Expander ■ **Effects** Maximum 6 stereo (One pre-installed + 2 more optional Effect Expansion Boards) ■ **Display** 320 x 240 dots Graphic LCD (with backlight) ■ **Interface** Digital I/O: Coaxial (conforms to IEC60958), MIDI: 5-pin DIN, USB: USB2.0 Mass Storage ■ **Hard Disk Drive** 3.5-inch, 40 GB ■ **CD-RW Drive** Reading Speed: 24x (max.), Recording Speed: Supports 4x speed writing (CD-R), Supports 4x speed rewriting (CD-RW) ■ **Connectors** MIDI Connectors (5-pin DIN type), USB Connector, Input Jack 1—8 (XLR type, phantom power), Input Jack 1—8 (1/4 inch TRS phone type), Guitar (Hi-Z) Jack (1/4 inch phone type), Digital In Connectors (Coaxial type), Digital Out Connectors (Coaxial type), Foot Switch Jack (1/4 inch phone type), Master Out Jack L/R (1/4 inch TRS phone type), Monitor Out Jack L/R (RCA phono type), AUX Send Jack L/R (RCA phono type), Headphones Jack (Stereo 1/4 inch phone type) ■ **Power Supply** DC 12 V (AC Adaptor) ■ **Current Draw** 3.6A ■ **Dimensions** 466 (W) x 369 (D) x 118 (H) mm / 18-3/8 (W) x 14-9/16 (D) x 4-11/16 (H) inches ■ **Weight** 6.7 kg / 14 lbs 13 oz ■ **Accessories** Owner's Manual, Appendices, Mixer Block diagram, Application Software CD (VS-2000 Wave Converter), Short Cut Seal, Power Cord, AC Adaptor (PSB-3U) ■ **Options** 24-bit Effect Expansion Boards: VS8F-2, VS8F-3, Foot Switch: FS-5U (BOSS), Pedal Switch: DP-2

* 0 dBu=0.775 Vrms

* The specifications are subject to change without notice.

VS-2480DVD

Digital Studio Workstation

Roland®

The First V-Studio with DVD Archiving!

The VS-2480DVD takes Roland's best-selling 24-track workstation and makes it even better with the addition of a DVD multi-drive for storing up to 4.7GB of data. Naturally, the VS-2480DVD has all the great features of the original—including 64-track digital mixing, motorized faders and VGA monitor support. It's also compatible with the new VS8F-3 Plug-In Effect Expansion Board, opening up a world of plug-in effects.



- Flagship 24-track digital studio workstation with internal DVD multi-drive
- Store up to 4.7GB of project data on a single DVD-R or DVD-RW disc!
- New 3rd party plug-in support via optional VS8F-3 Plug-In Effect Expansion Board

*Actual product appearance may be subject to change.

Massive 4.7GB Storage on Recordable DVD Discs

Thanks to a new DVD multi-drive, the VS-2480DVD lets users store up to 4.7GB of data on a single DVD disc. This is great for archiving an album's worth of songs—no more saving across multiple CDs! Of course, CD-R and CD-RW discs can also be used for normal CD burning.

VS-2480DVD Specifications (DVD multi drive part only)

<Slim DVD MULTI Drive Built-in Type> ■ Read speed DVD-ROM: Max 8X CAV, CD-ROM: Max 24X CAV ■ Maximum Write speed CD-R: Max16X Zone CLV, CD-RW: 4X CLV, High Speed CD-RW: 8XCLV, DVD-R: 2XCLV, DVD-RW: 1XCLV

■ Support Buffer Underrun Free Recording (SmoothLink™)

*All specifications are the same as VS-2480CD except DVD multi drive.
* The specifications are subject to change without notice.

New Plug-In Support with Optional VS8F-3

The VS-2480DVD supports the use of VS Plug-Ins by installing an optional VS8F-3 Plug-In Effect Expansion Board. Up to three boards can be installed, and each is capable of running two high-quality plug-ins from Roland, or optional 3rd party plug-ins from developers like Antares, IK Multimedia, Massenburg, Universal Audio and more. This is the ultimate V-Studio for producers and songwriters alike.

DIF-AT24

Interface Box for R-BUS/ADAT

Roland®

A Convenient Bridge Between R-BUS and ADAT.

The DIF-AT24 Interface Box easily converts the 8-channel R-BUS audio format found on V-Studios and the MV-8000 to the popular ADAT format. As such, this 1/3 rackmount box is ideal for transferring audio between your Roland gear and a lightpipe-compatible audio card or digital mixer. And with MIDI built-in, the DIF-AT24 can also be used to expand the MV-8000's available MIDI outputs.

R-BUS

- 1/3 rackmount audio interface converts Roland's 8-channel R-BUS format to ADAT
- Supports up to eight channels of 24-bit I/O via optical connections
- MIDI In/Out for synchronized recording between V-Studio and ADAT/PC
- MIDI Out port can be used to expand MV-8000's MIDI output channels
- Selectable master clock: R-BUS or ADAT
- No power supply needed—receives power through R-BUS cable

*All trademarks are property of their respective owners.



*Actual product appearance may be subject to change.

Supports 8-Channel Audio Transfers

Roland's R-BUS format is a convenient way to exchange up to eight channels of 24-bit digital audio between R-BUS equipped V-Studios or an MV-8000. With the DIF-AT24, you can convert R-BUS to ADAT for easy audio transfers between a V-Studio/MV-8000 and an ADAT-compatible sound card or digital mixer.

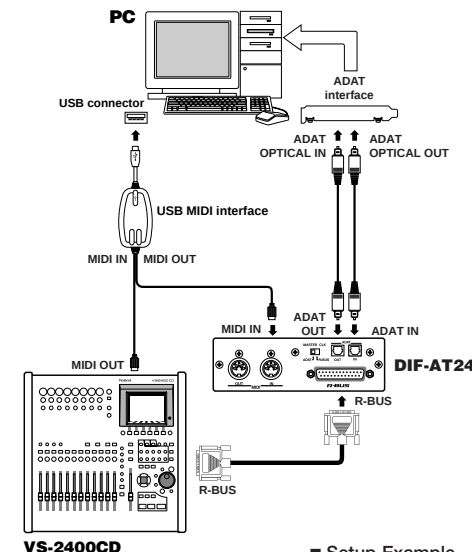
Mind Over MIDI

The DIF-AT24's MIDI In and Out jacks let you easily transfer tracks while syncing to a software sequencer or ADAT recorder. When connected to an MV-8000, the MIDI Out jack adds another 16 MIDI output channels—making the DIF-AT24 a great way to expand your sequencing power.

DIF-AT24 Specifications

■ Sampling Frequency 44.1/48kHz ■ Audio Data Format 16/20/24-bit
■ Indicators Power indicator, ADAT indicator ■ Connectors R-BUS connector, ADAT optical connectors in/out, MIDI connectors in/out ■ Power Supply Supplied from connected R-BUS device ■ Dimensions 138 (W) x 197 (D) x 43 (H) mm / 5-7/16 (W) x 7-13/16 (D) x 1-3/4 (H) inches ■ Weight 0.5 kg, 1 lb 2 oz ■ Accessories R-BUS cable (1 m), Owner's manual

* The specifications are subject to change without notice.



■ Setup Example

DM-20/-10 Digital Stereo Micro Monitor

Roland®

Accurate Digital Monitoring for Everyone!

The DM-10 and DM-20 Digital Stereo Micro Monitors bring 24-bit/96kHz digital monitoring to a super-affordable price and ultra-compact size. The DM-10 speakers each feature 10 watts per channel, while the DM-20's independent transformers and power amps crank out 20 watts per side. Both models are perfect for use with Roland/BOSS digital studios and instruments, computer-based setups and more.



■ DM-20



■ DM-10

*Products pictured are prototype models. Actual product appearance may be subject to change.

DM-20 Features

- Stereo micro monitors with 24-bit/96kHz digital inputs (coaxial and optical)
- Powered 2-way bass reflex enclosure with 20 watts of power per side
- Magnetically shielded black wooden cabinet
- Independent transformers and power amps for each speaker cabinet
- Controls located on front of speaker for easy adjustment
- Choice of digital or analog (1/4-inch and RCA) inputs

DM-10 Features

- Stereo micro monitors with 24-bit/96kHz digital inputs (coaxial and optical)
- Powered 2-way bass reflex enclosure with 10 watts of power per side
- Magnetically shielded black wooden cabinet
- Controls located on front of speaker for easy adjustment
- Choice of digital or analog (stereo miniature and RCA) inputs

Compact Monitors with Sleek Cabinet Design

Whether placed in a studio or computer-based setup, the DM-Series' new black finish and real wooden cabinets give these speakers a look befitting of monitors costing much more. But it's not just about looks; the cabinet is also designed to perfectly complement the amp and speakers, resulting in the best possible sound.

24-bit/96kHz Digital Inputs

Thanks to their coaxial and optical digital inputs, the DM-10 and -20 eliminate the line-loss and hum that can occur when using analog cabling—resulting in a more accurate reflection of your mix. These 24-bit/96kHz digital inputs are ideal for use with Roland and BOSS digital studios, or for connecting a variety of digital gear including a computer sound card.

Convenient Front-Mounted Controls

No one likes to reach around to the back of a speaker. That's why Roland placed all the essential controls on the front panel. Now you can adjust each input's volume—along with the Treble and Bass—right from the front of the speaker. The power is also located on the front, along with a stereo headphones jack for silent monitoring.



■ DM-20 Rear



■ DM-10 Rear

DM-20/-10 Specifications

DM-20 ■ **Rated Power Output** 40 W (20 W + 20 W) ■ **Speaker Units** Woofer: 12 cm / 4-3/4" (Magnetically-Shielded), Tweeter: 4 cm / 1-5/8" (Magnetically-Shielded) ■ **Frequency Range** 50 Hz to 22 kHz ■ **Nominal Input Level** Line 1: -10 dBu, Line 2: -10 dBu ■ **Input Impedance** 18 k Ω ■ **Controls** <R Channel> BASS Control Knob, TREBLE Control Knob, VOLUME 1 (digital input + RCA phone), VOLUME 2 (1/4" phone), POWER Switch, Digital Input Select Switch, <L Channel> POWER Switch ■ **Connectors** <R Channel> Front: PHONES Jack (stereo 1/4" phone type), Rear: LINE 1 Jacks (L, R) (RCA pin type), LINE 2 Jacks (L (MONO), R) (1/4" phone type), L Channel Output Jack (RCA pin type), Optical Input Connector, Coaxial Input Connector, <L Channel> Rear: L Channel Input Jack (RCA pin type) ■ **Digital Input Section** Sampling Rate: 32/44.1/48/96 kHz, D/A Converter: 24 bits ■ **Enclosure** 2-way Bass-reflex type (Wooden Cabinet) ■ **Power Supply** AC 117, AC 230 or AC 240 V ■ **Current Draw** 230 mA (AC 117 V) x2, 120 mA (AC 230 V) x2, 110 mA (AC 240 V) x2 ■ **Dimensions** <R Channel> 170 (W) x 261 (D) x 280 (H) mm, 6-3/4 (W) x 10-5/16 (D) x 11-1/16 (H) inches, <L Channel> 170 (W) x 256 (D) x 280 (H) mm, 6-3/4 (W) x 10-1/8 (D) x 11-1/16 (H) inches ■ **Weight** <R Channel> 4.5 kg / 9 lbs 15 oz, <L Channel> 4.2 kg / 9 lbs 5 oz ■ **Accessories** Speaker Cable (RCA pin type), Power Cord, Rubber Foot x 4

DM-10 ■ **Rated Power Output** 20 W (10 W + 10 W) ■ **Speaker Unit** Woofer: 9.2 cm / 3-5/8" (Magnetically-Shielded), Tweeter: 5 cm / 2" (Magnetically-Shielded) ■ **Frequency Range** 45 Hz to 35 kHz ■ **Nominal Input Level** Line: -10 dBu, Stereo: -10 dBu ■ **Input Impedance** 18 k Ω ■ **Controls** <R Channel> BASS Control Knob, TREBLE Control Knob, VOLUME 1 (digital inputs + stereo mini), VOLUME 2 (RCA pin), POWER Switch, Digital Input Select Switch ■ **Connectors** <R Channel> Front: PHONES Jack (stereo miniature phone type), Optical Input Connector, Rear: LINE 1 Jack (stereo miniature phone type), LINE 2 Jacks (L, R) (RCA pin type), L Channel Output Jack (RCA pin type), Optical Input Connector, Coaxial Input Connector, <L Channel> Rear: L Channel Input Jack (RCA pin type) ■ **Digital Input Section** Sampling Rate: 32/44.1/48/96 kHz, 24-bit, D/A Converter: 24-bit, Enclosure: 2-way Bass-reflex type (Wooden Cabinet) ■ **Power Supply** AC 117 V, 230 V or AC 240 V ■ **Power Consumption** 230 mA (AC 117 V), 120 mA (AC 230 V), 110 mA (AC 240 V) ■ **Dimensions** 156 (W) x 197 (D) x 238 (H) mm, 6-3/16 (W) x 7-13/16 (D) x 9-3/8 (H) inches ■ **Weight** <R Channel> 3.5 kg / 7 lbs 12 oz, <L Channel> 2.3 kg / 5 lbs 2 oz ■ **Accessories** Conversion Cable (stereo miniature phone type <-> RCA pin type), Speaker Cable (RCA pin type), Power Cord

* 0 dBu=0.775 Vrms
* The specifications are subject to change without notice.

DM-2100 2.1-ch Speaker System

Roland®

Pump Up the Bass with This Affordable 2.1-Channel System.

The DM-2100 2.1-ch Speaker System is an affordable way to add accurate reference monitoring with a subwoofer for enhanced bass response. The left and right speakers each offer 15 watts of power, while the 50-watt subwoofer provides a powerful low-end boost. And with 24-bit/96kHz digital inputs, the DM-2100 is perfect for use with Roland/BOSS digital studio and instruments, or with computer systems and more.



*Product pictured is a prototype model. Actual product appearance may be subject to change.

- Affordable 2.1-channel monitoring system with 24-bit/96kHz digital inputs
- Powered bass reflex speakers with 15 watts per side and flat frequency response
- Active subwoofer with 50-watt amplifier for increased low end
- Front-mounted controls convenient located on right speaker
- Coaxial and optical digital inputs, plus analog inputs (RCA and 1/4-inch type)
- Sleek black wooden cabinets with magnetic shielding

Deep, Rich Sound for a Variety of Monitoring Needs

The DM-2100 provides flat and accurate monitoring for a variety of applications. With its 50-watt subwoofer and 24-bit/96kHz digital inputs, this affordable 2.1-channel system is ideal for use with digital recording gear, musical instruments, computer-based setups or any type of nearfield monitoring. The specially designed bass-reflex cabinet delivers clear, punchy sound while occupying a minimal amount of space.

Easy Connections and Sound Control

Hooking up the DM-2100 is a snap. All inputs go directly into the right speaker, which serves as the preamp. The subwoofer then supplies power for the entire system via dedicated left and right speaker outputs. All controls—including power, input levels, Tone and Low Boost—can be easily adjusted from the right speaker's front panel. Hearing your music with heart-pumping bass was never so easy and affordable.



DM-2100 Specifications

■ **Rated Output Power** 50W + 15W + 15W ■ **Speaker** Subwoofer: 16cm, Satellite Units: 9.2cm ■ **Nominal Input Level** Line 1: -10dBu, Line 2: -10dBu ■ **Input Impedance** 18kΩ ■ **Controls** <R Channel> Bass Control Knob, Treble Control Knob, Volume 1 (Digital In/ RCA pin), Volume 2 (1/4" phone), Power Switch, Digital Input Select Switch, Phase Switch ■ **Connectors** <R Channel> Line 1 Jack (L, R, RCA pin), Line 2 Jack (L (MONO), R, 1/4" phone), Optical Input Connector, Coaxial Input Connector, Dedicated connector for power control and audio signal, Channel Input Jack (R, RCA pin), <L Channel> Channel Input Jack (L, RCA pin), <Sub Woofer>

Dedicated connector for power control and audio signal, Channel Output Jacks (L, R, RCA pin), AC In Jack ■ **Digital Input** Sampling Rate 32/44.1/48/96 kHz, D/A Converter 24 bits ■ **Power Supply** AC117, 230 or 240V ■ **Dimensions** Satellite Units: 130 (W) x 160 (D) x 200 (H) mm, SubWoofer: 240 (W) x 300 (D) x 330 (H) mm ■ **Accessories** Speaker Cables (RCA pin type), Dedicated Cable for power control and audio signal, Power Cable

* 0 dBu=0.775 Vrms

* The specifications are subject to change without notice.

RH-200 Headphones

Comfort and Accurate Headphones for Superior Monitoring.

Roland's RH-200 Headphones deliver the power, comfort and accuracy needed for a variety of personal monitoring needs. With 40mm drivers, neodymium magnets and CCAW (copper-clad aluminum wire) voice coils, these professional headphones offer the clarity and sonic accuracy needed for mixing and silent practice. The RH-200 includes a gold-plated 1/8-inch stereo connector with 1/4-inch adapter, plus a high-quality cable with built-in strain relief.



*Actual product appearance may be subject to change.

- Professional stereo headphones with exceptional clarity and accuracy
- Adjustable, lightweight design provides superior sound isolation and comfort
- High-power capacity with 40mm drivers, neodymium magnets and CCAW voice coils
- 180° rotating ear pieces for single-ear monitoring

RH-200 Specifications

■ **Type of Construction** Closed Type; Dynamic ■ **Driver** 40 mm in diameter; Neodymium Magnet ■ **Sensitivity** 100 dB/mW ■ **Maximum Input Power** 1,600 mW at 1 kHz ■ **Frequency Response** 20 - 20,000 Hz ■ **Impedance** 65 Ω ■ **Weight (less cable)** 0.2 kg, 8 oz ■ **Cable** 3.4 m, coiled cable ■ **Connector** 1/8" stereo mini-plug (w/ screw-on 1/4" adapter)

* 0 dBu=0.775 Vrms

* The specifications are subject to change without notice.

TD-20K V-Drums® V-Pro™ Series

Roland®

A New Chapter In V-Drums History.



* Drum stand, snare stand, hi-hat stand and kick pedal not included and shown only for photography purposes.
* Connection cables are partially hidden for photography purposes.
* Actual product appearance may be subject to change.

- Flagship V-Drums® kit with new TD-20 sound module, improved mesh-head V-Pads™, highly acclaimed V-Cymbals™ and innovative new V-Hi-Hat™ for complete playability
- TD-20 Percussion Sound Module with over 500 new sounds, improved dynamics and sensitivity, plus CompactFlash storage and V-LINK*
- 15 dual-trigger inputs, 10 audio outputs and digital output, 8 group faders and built-in sequencer, Mastering Room and more
- All-new V-Editing includes modeled snare buzz, kick beater selection, and greater cymbal customizing (i.e. size, "sizzle," mic positions)
- New PD-125BK (12") and PD-105BK (10") dual-trigger V-Pads feature better dynamic response, more even and accurate head/rim triggering and rim shot capability on toms
- New VH-12 V-Hi-Hat with two cymbals for full motion capability and natural feel
- Ergonomically designed MDS-20BK Drum Stand (optional) with more durable hardware, sleek raked design, easier vertical adjustment and ability to hide cables
- Expansion slot for future upgrades and enhancements

*V-LINK requires optional Edirol DV-7PR with software version 1.50 or higher.

With the TD-20K, Roland improves upon the industry-standard V-Drums by starting from the ground up. At the heart of this flagship set is the TD-20 module with new sounds and functions, superb expressiveness and in-depth V-Editing. The patented mesh pads now feature great dynamic range and natural rim shot triggering, along with a new look and stunning black finish. The TD-20K also features Roland's amazing new V-Hi-Hat and a new drum stand designed to hide the cabling. With this powerful new combination of pads and hardware, the TD-20K lets drummers express themselves more naturally and with more realism than ever before!

COSM V-LINK

TD-20 Percussion Sound Module

An Entirely New V-Drums Experience

Without a doubt, the new TD-20 is Roland's best percussion sound module ever, offering the ultimate sonic quality, over 500 new sounds, plus superb expressiveness and dynamic range when used with the new PD-125BK/105BK V-Pads and VH-12 V-Hi-Hat. With the superior sensitivity, drummers can play more naturally and without having to adjust their playing technique. The TD-20 includes the ability to vary the rim shot and bass drum sounds depending on how you play, plus new interval control for better snare drum rolls and more realistic cymbal swells. Close your eyes. Listen to every articulation and sound being faithfully re-created until the moment your cymbal fades away, and you'll swear this is a real acoustic set.



More Powerful V-Editing

The TD-20 gives drummers even greater modeling power using Roland's latest COSM technology. Vastly expanded for unlimited expression, the TD-20's V-Editing starts from careful analysis of an entirely new set of drum sounds. The result captures every nuance of the real thing—including every moment of drum vibration and complete customization capabilities. For example, drummers can now select from several types of kick beaters including felt, wood and plastic. The cymbal size can also be changed, along with the type of "sizzle" (i.e. rivets or chain), and the microphone position. The TD-20 even lets drummers add realistic snare drum "buzz" (the resonance created on the tom and bass drum) that matches the type of snare drum selected. It's the subtle nuances like these that really make the difference during performance and recording.



Enhanced Performance Features

Whether used live or in the studio, the TD-20 offers a host of powerful features designed to make life easy. Eight group faders are provided for adjusting the relative levels of each part (snare, kick, hi-hat, etc.), while 15 individual compressors and EQs let you sculpt each sound to perfection. The TD-20 also includes a 5-part sequencer loaded with preset backing patterns and plenty of room for your own—plus onboard Ambience effects, a stellar multi-effects processor and more. A new Mastering Room lets you add compression and EQ on the overall sound, while 10 analog outputs and a S/DPIF digital output give drummers plenty of options when mixing live or in the studio.

Convenient CompactFlash Storage and More

New to the TD-20 is a CompactFlash slot, which can be used for storing custom drum kits and sequencer patterns with optional memory cards. An expansion bay located on the underside means there's room for upgrades down the road. The TD-20 also features Roland's V-LINK technology. Using an optional video editor from Edirol, drummers can trigger images or change cameras from the pads or kick.

VH-12 V-Hi-Hat

The First Electronic Hi-Hat Designed Like an Acoustic.

Woah! That's what you'll say once you try the new full motion VH-12 V-Hi-Hat. This breakthrough electronic hi-hat is designed to precisely model the look and feel of its acoustic counterpart... so much so, that it mounts on any acoustic hi-hat stand! The new V-Hi-Hat uses top and bottom cymbals with full motion capability for ultra-natural stick/pedal work, and is designed to work with the enhanced dynamics of the TD-20. The dual-trigger VH-12 can convincingly create a range of hi-hat sounds from open to closed including the half-open position with all of its delicate nuances. By applying pressure to the pedal (even after closing), you can vary the pitch and decay for playing fast and tight articulations—just like an acoustic hi-hat!



■ VH-12 Components

* Hi-hat stand not included.

PD-125BK/105BK V-Pads

Presenting the New and Improved V-Pads.

How do you improve upon the world's most popular electronic percussion pads? Start by designing a brand new sensor mechanism for more accurate triggering, and then give 'em a cool black finish! The 12-inch PD-125BK and 10-inch PD-105BK mesh V-Pads both feature Roland's latest dual-triggering technology, resulting in more even and accurate sensing between the head and rim. They are also the first V-Pads with rim shot capabilities on the toms—including the actual "rim click" sound*.

*Rim triggering on toms requires TD-20 Percussion Sound Module.



■ PD-125BK



■ PD-105BK

KD-120BK V-Kick Trigger Pad

Natural Triggering with Double Pedal Support.

The TD-20K includes Roland's time-tested KD-120BK V-Kick Trigger Pad, but now in a new black color designed to perfectly complement the rest of the pads. The 12" V-Kick Trigger Pad offers fast, natural kick drum triggering and is compatible with double bass pedals (sold separately).



MDS-20BK Drum Stand

Ergonomic Design and Striking Looks.

Roland's new MDS-20BK Drum Stand offers a new curved look that keeps everything within reach. The stand's black color matches perfectly with the new pads and cymbals, and all cabling is hidden neatly inside the tubing—you asked for it, you got it. Even the hardware itself has been improved via more durable T-fittings with a convenient raked design. Changing the height is quick and easy: Vertical adjustments with quick-release cam levers are provided on each of the stand's legs, and the two cymbal stands, allowing the tiers to remain in place.



■ Quick-release cam lever



■ T-fitting



■ TD-20 Rear Panel

TD-20 Specifications

■ **Sound Generator** Variable Drum Modeling ■ **Maximum Polyphony** 64 Voices
 ■ **Instruments** Drum Instruments: over 500, Backing Instruments: 262 ■ **Drum Kits** 50 ■ **Drum Kit Chains** 16 chains (32 steps per chain) ■ **Instrument Parameters** V-EDIT: Shell Material, Shell Depth, Head Type, Head Tuning, Muffling, Strainer Adjustment, Snare Buzz Level, Beater Type, Cymbal Size, Sizzle (cymbal), Tambourine (hi-hat), Mic Position, EDIT: Pitch, Decay ■ **Ambience Parameters** Studio Type, Room Size, Wall Type, Mic Position ■ **Mixer Parameters** Volume, Pan, Output Select
 ■ **Effect Types** Pad Equalizer x 15, Pad Compressor x 15, Multi-Effects, Master Compressor, Master Equalizer, Reverb/Chorus (for backing part) ■ **Percussion Groups** 8 ■ **Sequencer** User Patterns: 100, Parts: 6, Play Functions: Oneshot, Loop, Tap, Tempo: 20—260, Resolution: 192 ticks per quarter note, Recording Method: Real-time, Maximum Note Storage: approx. 20,000 Notes, Click Instruments: 20

■ **Display** 64 x 240 dots (backlit graphic LCD), 8 segments, 3 characters (LED), Trigger Level Indicator (LED) ■ **Faders** 8 ■ **Preview Button** Touch Sensitive
 ■ **Connectors** Trigger Input Jacks x 14, Hi-Hat Control Jack (VH-12, FD-7), 3-way Triggering Jack, Master Output Jacks (L(MONO), R), Direct Output Jacks x 8, Digital Output Jack (S/PDIF COAXIAL), Phones Jack (Stereo 1/4 inch phone type), Mix in Jack (Stereo 1/4 inch phone type), MIDI Connectors (IN, OUT/THRU), Foot Switch Jack (1/4 inch TRS phone type), CompactFlash Card Slot ■ **Output Impedance** 1.0 k Ω ■ **Power Supply** AC 117 V, 230 V, 240 V ■ **Current Draw** 16 W
 ■ **Dimensions** 307 (W) x 256 (D) x 105 (H) mm, 12-1/8 x 10-1/8 x 4-3/16 inches
 ■ **Weight** 2.9 kg / 6 lbs 7 oz ■ **Accessories** Quick Start, Owner's Manual, Power Cable

* The specifications are subject to change without notice.

TD-6KV

V-Drums® V-Tour™ Series

Roland®

New Kits, Better Pads, Same Great Price!



The TD-6KV takes one of Roland's most popular V-Drums® kits and makes it even better—thanks to a mesh snare pad, new gum rubber pads with dual-trigger capabilities, an improved vertical kick trigger and more. The easy-to-use sound module sports a sleek black look with a blue LCD and brand new kits and patterns—all at a great price.



* Drum stand and kick pedal not included and shown only for photography purposes.
* Connection cables not shown for photography purposes.
* Actual product appearance may be subject to change.

- Affordable V-Drums set based on updated TD-6V Percussion Sound Module, mesh pad for snare drum, new rubber pads and cymbals, a new vertical kick trigger and new hi-hat controller
- TD-6V offers 1,024 drum and percussion sounds with all-new kits and backing patterns
- 1 x PD-80R mesh V-Pad™ for snare drum; supports separate head/rim triggering
- 4 x PD-8 dual-trigger rubber pads for playing rim shots on toms and bow/edge sounds on hi-hat
- 2 x CY-8 Cymbal Pads with “swinging” motion including realistic cymbal “chokes”
- 1 x KD-8 Kick Trigger Pad with vertical design for natural feel and reduced tremble; double bass pedal compatible
- 1 x FD-8 Hi-Hat Controller allows for smooth hi-hat sounds from open to closed
- Optional MDS-3C stand with matching black finish

The TD-6V: More Than Just a New Look

The first thing you'll notice about the TD-6V Percussion Sound Module is the new black look and cool blue LCD screen. Like the original, this 64-voice module serves up 1,024 of Roland's best drum and percussion sounds and 262 backing instruments—but with newly created drum kits and patterns in the latest music styles. Dual-trigger tom inputs allow for rim shots on toms and expanded musical expression, while large, luminous buttons make the TD-6V very easy to use.



Upgraded Pads and Cymbals

The TD-6KV includes Roland's popular PD-80R mesh V-Pad with dual-trigger capability for playing separate snare and rim sounds. For toms and hi-hat, Roland includes the newly created PD-8 rubber pads with dual-trigger support for playing rim shots and bow/edge sounds with the TD-6V module. The CY-8 cymbals offer “swinging” motion with great response, separate bow/edge triggering and choke capabilities, plus a fresh new look that more closely resembles a real cymbal.



■ PD-8

■ CY-8

New Upright Kick Trigger

Drummers will appreciate the TD-6KV's new upright kick drum trigger. The new KD-8 Kick Trigger Pad's vertical design not only gives drummers a better feel compared to reverse-type kick triggers, but it also reduces trembling so you get nothing but solid kick sounds. And here's more good news... the KD-8 can even accommodate double bass pedals—perfect for drummers who want to create complex rhythms.



Ultra-Sensitive Hi-Hat Control

Thanks to Roland's new FD-8 Hi-Hat Controller, drummers can get more realistic hi-hat sounds with smooth transitions between open and closed. With a fresh new look and updated kits, pads and cymbals, the V-Tour Series TD-6KV packs an impressive punch.



TD-6V Specifications

■ **Maximum Polyphony** 64 Voices ■ **Instruments** Drum Instruments: 1,024, Backing Instruments: 262 ■ **Drum Kits** 99 ■ **Effect Types** Ambience, 2-Band Master Equalizer ■ **Sequencer** Preset Songs: 170, User Songs: 100, Parts: 6, Play Functions: One shot, Loop, Tap, Tempo: 20–260, Resolution: 192 ticks per quarter note, Recording Method: Realtime Recording, Maximum Note Storage: approx. 12,000 Notes ■ **Display** 20 characters, 2 lines (backlit LCD) ■ **Connectors** Trigger Input Jacks: 9 (11 inputs), Hi-Hat Control Jack, Output Jacks (L/MONO, R), Phones Jack (stereo miniature phone type), Mix in Jack (stereo miniature phone type), MIDI Connectors (IN, OUT/THRU) ■ **Output Impedance** 1.0 k Ω ■ **Power Supply** AC Adaptor (DC 9 V) ■ **Current Draw** 1,000 mA ■ **Dimensions** 266 (W) x 199 (D) x 75 (H) mm / 10-1/2 (W) x 7-7/8 (D) x 3 (H) inches ■ **Weight** 1.1 kg / 2 lbs 7 oz (excluding AC Adaptor) ■ **Accessories** Owner's Manual, AC Adaptor (ACI/ACB Series), Screws (M5 x 8) x 4

* The specifications are subject to change without notice.

TD-3Kit V-Drums® V-Compact™ Series

Roland®

Roland's Most Affordable and Easy-to-Play V-Drums Kit!

The Roland TD-3Kit is the fastest and most affordable way to get into a real V-Drums® set. This expandable kit includes Roland's new TD-3 Percussion Sound Module with high-quality sounds and unbelievable expressiveness, new dual-trigger pads and cymbals, plus an upright kick trigger, onboard rhythm training exercises and more—giving you natural playing feel at a great price.



* Drum stand and kick pedal not included and shown only for photography purposes.
* Connection cables not shown for photography purposes.
* Actual product appearance may be subject to change.

- Roland's most affordable V-Drums set based on new TD-3 Percussion Sound Module, plus new pads, cymbals, kick trigger and hi-hat controller
- TD-3 includes 114 new and high-quality sounds, 32 drum kits and onboard Ambience and compression effects
- Enhanced Rhythm Coach function with helpful rhythm training exercises
- Phrase Preview function makes auditioning and selecting drum kits easy
- 4 x PD-8 rubber pads; supports separate head/rim triggering on snare and bow/edge triggering on hi-hat
- 2 x CY-8 dual-trigger Cymbal Pads with "swinging" motion including cymbal "chokes"
- 1 x KD-8 Kick Trigger Pad with vertical design for natural feel and reduced tremble; double bass pedal compatible
- 1 x FD-8 Hi-Hat Controller allows smooth hi-hat sounds from open to closed
- Optional MDS-3C stand with matching black finish

A High-Quality Drum Module with Rhythm Training Exercises

The TD-3 Percussion Sound Module boasts 114 new, high-quality drum and percussion sounds arranged into 32 kits, plus an easy-to-use interface so you can start playing right away. Finding the right drum kit is simple: just use the Phrase Preview function to hear a short demo for each kit. Each kit's sounds can be enhanced using 15 types of built-in Ambience effects and compression. And with Roland's enhanced Rhythm Coach onboard, drummers can improve their timing, speed and endurance using several rhythm-training exercises. The back of the module features nine trigger inputs, making it possible to add more pads like Roland's mesh PD-80R for snare. A stereo Mix input lets you play along with external audio sources, while MIDI In and Out let you connect with sequencers and more.



Professional Feel at a Fraction of the Price

Thanks to Roland's latest pads and triggers, the TD-3Kit delivers ultra-realistic feel and expressiveness at a great price. The new KD-8 Kick Trigger Pad, for example, uses a vertical design to give drummers a more natural feel with minimal tremble and the ability to use double bass pedals. The new CY-8 Cymbal Pads support both edge and bow sounds with "swinging" motion and choke capabilities, while the FD-8 Hi-Hat Controller delivers smooth hi-hat sounds from open to closed.



TD-3 Coach Mode

Display	Parameter	Practice Content
r h y	Rhythmic Notes	Accuracy and Timing Exercise (4 types)
t c h	Time Check	
q c t	Quiet Count	
s p d	Speed Check	
g u d	Gradual Up/Down	Endurance and Stamina Exercise (2 types)
s u d	Step Up/Down	
c n t	Count In	Useful "voice count-in" function and visual measure counter

TD-3 Specifications

■ **Instruments** Drum Instruments: 114, Click Instruments: 10 ■ **Drum Kits** 32 ■ **Effect** Ambience (15 types) ■ **Click Tempo** 20–260 ■ **Coach Mode** Menu: 7, Variation: 20 ■ **Display** 7 segments, 3 characters (LED) ■ **Connectors** Trigger Input Jack x 9, Hi-Hat Control Jack, Output Jacks (L/MONO, R), Phones Jack (stereo phone type), Mix In Jack (stereo miniature phone type), MIDI Connectors (IN, OUT) ■ **Output Impedance** 1.0 k Ω ■ **Power Supply** AC Adaptor (DC 9V) ■ **Current Draw** 1,000 mA ■ **Dimensions** 220 (W) x 144 (D) x 59.5 (H) mm / 8-11/16 (W) x 5-11/16 (D) x 2-3/8 (H) inches ■ **Weight** 550 g / 1 lb 4 oz (excluding AC Adaptor) ■ **Accessories** Owner's Manual, AC Adaptor (ACI/ACB Series), Screw (M5 x 8) x 4

* The specifications are subject to change without notice.

GR-20 Guitar Synthesizer / GK-3 Divided Pickup

Roland®

Plug and Play.

Ever wanted to thicken up your guitar sound with a warm synth pad? Or how about a screaming lead sound that puts you in front? The GR-20 Guitar Synthesizer makes playing high-quality synthesizer and instrument sounds from your guitar as simple as 1-2-3. First, attach the included GK-3 Divided Pickup to your steel-stringed electric (no drilling necessary). Second, select the type of sound you want using the Bank knob. Third, choose a sound variation using the Number/Value dial and start playing. With the GR-20, it's easy to tap into the power of guitar synthesis.



*Products pictured are prototype models.

- Affordable guitar synthesizer with new sounds, easy interface and GK-3 pickup
- Easy to use: select a sound category (Strings, Organ, Synth, etc.) and play!
- Quick editing via Attack, Release, Chorus, and Delay/Reverb knobs
- Digital pitch detection for lightning-fast tracking
- Includes Roland's latest sounds like sax, strings, flute, brass, bass and percussion loops

- GK-3 mounts easily on any steel-stringed electric without damage to guitar
- GK-3 features an adjustable curve design and pickup cable length, plus an attachment plate for Les Paul-type guitars
- Patch Link enables easy connection with MIDI-capable multi-effects like the GT-6

*All trademarks are property of their respective owners.

Guitar Synth, or Compact Pedal?

With the GR-20 it feels like both. Simply attach the included GK-3 Divided Pickup to your guitar and you can be playing high-quality Roland sounds in seconds. Selecting a sound is like choosing an effect. First, select a sound category using the Bank knob. Categories include Strings/Orchestral, Wind, Brass, Bass/Guitar, Organ/Keyboard, Piano, Synth/Lead, Voice/Pad, Ethnic, and Rhythm/Drum/Percussion. Now you can select individual sounds using the Number/Value dial. It's easy!

Roland's Finest Sounds with Exceptional Tracking

At the heart of the GR-20 is an advanced sound engine based on Roland's professional synthesizers. Sounds can be played with up to 48-voice polyphony for full, rich-sounding Patches. And the sounds are equally impressive. From expressive string ensembles to spiritual tabla loops coupled with sitar—all with adjustable attack and release—there's no limit to what you can do. Sophisticated DSP makes the GR-20's pitch detection ultra-reliable, so you can strum with confidence.

Take Your Guitar Playing Further

Want to create a sound that's all your own? Try blending the natural sound of your guitar pickups with the GR-20. Thankfully, the GK-3 Divided Pickup makes this easy via a larger and smoother GK knob. Imagine playing chords and then slowly fading in a swirling, breathy pad to create intensity. Or how about playing a distorted lead on your guitar with a thick synth lead sound? Now take this a step further with the GR-20's Patch Link function. This allows you to easily assign GR-20 Patches to match effect Patches in MIDI-capable processors like the BOSS GT-6. It's the ultimate system for serious guitarists.

Includes the New GK-3 Divided Pickup

When you buy a GR-20, you also get a GK-3 Divided Pickup and GK cable in the box. In other words, everything you need to start playing synth sounds is included! The GK-3 is 30 percent thinner than its predecessor, and it now uses a 1/4-inch jack for normal guitar input. The pickup includes an adjustable curve design to keep an even distance between the strings for better response (the pickup cable length is also adjustable). Owners of Les Paul-type guitars can install the GK-3 safely without drilling using a special attachment plate included in the box.



GR-20 Specifications

■ **Sound Generator:** 1 part ■ **Maximum Polyphony:** 48 voices ■ **Patches:** User: 99, Preset: Over 450 ■ **Display:** 7 segments, 2 characters (LED) ■ **Effects:** MULTI-FX (40 types: included in the patches), Chorus, Delay/Reverb ■ **Connectors/Jacks:** GK IN, GUITAR OUT, MIX IN L, MIX IN R (MONO), OUTPUT L (PHONES), OUTPUT R (MONO), MIDI IN, MIDI OUT, AC IN ■ **Power Supply:** AC 14 V (AC Adaptor) ■ **Current Draw:** 600 mA ■ **Dimensions:** 313.8 (W) x 244.9 (D) x 63.1 (H) mm / 12-3/8 (W) x

9-11/16 (D) x 2-1/2 (H) inches, Maximum height: 313.8 (W) x 244.9 (D) x 97.5 (H) mm / 12-3/8 (W) x 9-11/16 (D) x 3-7/8 (H) inches ■ **Weight:** 1.7 kg / 3 lbs 12 oz (excluding the AC Adaptor) ■ **Accessories:** Owner's Manual, AC Adaptor BRC series, GK Cable (5 m), Divided Pickup (GK-3) ■ **Options:** GK Cable: GK-3 (3 m), GK-5 (5 m), GK-10 (10 m), Unit Selector: US-20, GK Parallel Box: GKP-4

* The specifications are subject to change without notice.

Micro Cube

Guitar Amplifier

Roland®

It's Hip to Be Square.

COSM

With the new Micro Cube, guitarists get a genuine Roland Cube amp in an ultra-compact package that even runs on batteries. Weighing in at just a few pounds, the Micro Cube packs a big punch and comes with six DSP effects, COSM® Amp Modeling and a new Digital Tuning Fork—giving guitarists everything they need for killer tone on the go.



*Actual product appearance may be subject to change.

- Ultra-compact portable DSP guitar amp with 5-inch low magnetic leakage speaker
- Runs on battery or AC power (adapter supplied) and includes carry strap
- 7 COSM guitar amp models including JC-120 and a special mic preamp model
- 6 DSP effects: chorus, flanger, phaser, tremolo and separate Delay/Reverb
- New Digital Tuning Fork with support for flat tunings up to 2 semitones
- Recording/Headphones output and stereo Auxiliary input for CD players, etc.

Rock for 20 Hours on Batteries

The Micro Cube is the first Cube amplifier that runs on battery or AC power. Using six "AA" alkaline batteries, you can play for up to 20 hours—thanks to the Micro Cube's high-efficiency amplifier. A carrying strap is also included, allowing you to be heard just about anywhere you want. And the sound? It's a Cube, so you know it sounds great!

7 Classic and Modern Amp Models

Looking for the sound of Roland's JC-120 Jazz Chorus™ or your favorite British combo amp? You'll find those and more in the Micro Cube, thanks to seven COSM amp models. Roland's COSM technology is the only modeling method that captures every nuance of the original amps—from the preamp and circuits to the speaker. All you need is the Micro Cube for perfect tone.



High-Quality BOSS Effects

There's no need to lug around pedals when the Micro Cube comes with six DSP effects. All the essentials are included—from chorus and flanging to a phaser and tremolo effect. A separate Delay/Reverb processor lets you dial in anything from slapback and long delays to reverb and more (in addition to using one of the aforementioned modulation effects).

New Digital Tuning Fork and More

Tuning up is a snap using the new Digital Tuning Fork. Just press the Tuning Fork button (the harder you hit it the louder the sound) and you get an instant reference tone with support for flat tunings up to two semitones. The Micro Cube also comes with a choice of 1/4-inch and 1/8-inch stereo Auxiliary inputs—great for connecting a CD player or line-level instrument—plus a Recording/Headphones output. Take a Cube anywhere you go!



Micro CUBE Specifications

■ **Rated Power Output** 2 W ■ **Nominal Input Level** INPUT: -10 dBu, AUX IN: -10 dBu ■ **Speaker** 12 cm (5 inches) x 1 ■ **Controls** TYPE Switch, GAIN Knob, VOLUME Knob, TUNING FORK Button, KEY Switch, TONE Knob, EFX Knob, DELAY/REVERB Knob, POWER Switch ■ **Indicator** POWER ■ **Connectors** INPUT Jack: 1/4" phone type, REC OUT/PHONES Jack: Stereo 1/4" phone type, AUX IN Jacks: Stereo 1/4" phone type, Stereo miniature phone type, AC Adaptor Jack ■ **Power**

■ **Supply** DC 9 V: AC Adaptor or Dry Battery (LR6 (AA) type) x 6 ■ **Current Draw** 185 mA ■ **Dimensions** 244 (W) x 166 (D) x 226 (H) mm, 9-5/8 (W) x 6-9/16 (D) x 8-15/16 (H) inches ■ **Weight** 3.3 kg, 7 lbs 5 oz (excluding AC Adaptor and Battery) ■ **Accessories** AC Adaptor, Strap, Owner's Manual

* 0 dBu=0.775 Vrms
* The specifications are subject to change without notice.

Meet the Entire Cube Family.

Need a little more power? Then check out the full line of Cube amps. Guitarists can choose from the affordable 15-watt/8-inch Cube-15 and the 30-watt/10-inch Cube-30, while bass players can tap into the awesome tones of the 30-watt/10-inch Cube-30 Bass. Each amp features Roland's legendary Cube sound, while the Cube-30 and Cube-30 Bass include COSM® Amp Modeling and DSP effects.



■ Cube-15 ■ Cube-30 ■ Cube-30 Bass

ME-50B

Bass Multiple Effects



A Bass Player's Dream Come True.

COSM

The BOSS ME-50B puts world-class bass effects in a rugged floor unit with easy pedal-style control. Effects are divided into six sections—Compressor/Limiter, Master, Filter/Tone, Drive/Synth, Delay/Modulation and Expression Pedal—giving bassists a range of unique and powerful tones including new effects like Sound Hold, Octave Up and Kick Drum. Effects can be edited using 23 knobs and controlled via three built-in footswitches and an assignable expression pedal. This is the piece no bass player should be without!



*Actual product appearance may be subject to change.

- Floor-based bass multi-effects processor with easy analog control
- Killer COSM® Compressor/Limiter and Drive effects, plus T-Wah, Slow Gear and Defretter
- Innovative Sound Hold function for sustaining a low note while playing on top
- Sound On Sound recording with new Kick Drum effect for keeping time
- Dedicated knobs for each effect section—no menu-surfing!
- Easy Tone effects with Preset EQ templates for quick tone editing
- 3 footswitches and onboard expression pedal routed to 6 options like Octave, Wah, etc.
- Solid metal case built to withstand abuse

Multi-Effects Made Simple

BOSS understands that bass players want access to powerful effects, but they don't want to get caught up in the menus and programming hassles of a multi-effects processor. Enter the ME-50B. Just like its guitar-oriented sibling, the new ME-50B puts BOSS' finest multi-effects for bass into a convenient floor processor with the feel of a compact pedal. Forget about menus and cursor buttons. Just reach down and twist a knob!

Independent COSM Compressor/Limiter and EQ

Everyone knows that the fundamentals of good bass tone are compression and EQ. That's why the ME-50B features two dedicated sections for these essential effects. The Compressor/Limiter uses advanced COSM modeling—including a "Natural" compression setting that retains the nuances of your playing—to give you tight, punchy tone. Simply select the compressor "Type" and adjust the Sustain/Threshold knob to get the tone you want. The Master section includes a 3-band EQ with a sweepable mid for precise tonal shaping.

Get Creative with Cool Filter/Tone Effects

The ME-50B includes a variety of unique tone-shaping effects just for bass. These include a handy "Octave Up" effect, which adds a note one octave above the original while retaining your natural bass sound—complete with adjustable drive on the octave-shifted note—plus favorites like Slow Gear, T-Wah and a Defretter effect for instant fretless sounds. Using the Tone effect preset, you can get quick tonal variations with preset EQs like "Bottom Boost" and "Mid Shape."

Incredibly Warm Overdriven Sounds and More

Want some extra bite? Switch on the ME-50B's Drive effects, which include settings like "Muff Fuzz," "Bass Driver," "Natural" and "Metal" to give you a range of overdriven/distorted sounds. A new "Hi Band" effect creates a distorted sound on the high frequencies while keeping the lower frequencies intact—perfect for creating complex tones while keeping your original playing dynamics. There are also four synth bass sounds with superb tracking and natural feel.

Sound On Sound with a Twist

Sound On Sound recording is very popular with guitarists, and now bass players can build their own loops, too. But the ME-50B can do even more. Using the new Kick Drum function, players can tap in their own kick drum and create loops over the beat. If that's not enough, check out the new Sound Hold function, which lets you endlessly sustain a low note while playing over it. With the ME-50B, bassists can take their playing to a whole new level.



■ ME-50B Rear Panel

ME-50B Specifications

■ **AD Conversion** 24 bit + AF method ■ **DA Conversion** 24 bit ■ **Sampling Frequency** 44.1 kHz ■ **Patches** 24 (user) ■ **Effects** Compressor / Limiter, Filter / Tone, T. Wah, Octave (Up / Down), Slow Gear, Defretter, Enhancer, Bottom Boost, Mid Shape, Hollow, Drive / Synth, Overdrive / Distortion, Bass Synth, Delay / Modulation, Delay, Phaser, Flanger, Chorus, Reverb, Noise Suppressor, Master EQ, Effects for Expression Pedal, Foot Volume, Wah, Resonance, Voice, Resonance, Bend (+1 OCTAVE, -1 OCTAVE), Sound Hold, Kick Drum ■ **Nominal Input Level** INPUT: -10 dBu, AUX IN: -10 dBu ■ **Input Impedance** INPUT: 1 MΩ, AUX IN: 100 kΩ ■ **Nominal Output Level** -10 dBu ■ **Output Impedance** 2 kΩ ■ **Display** 7 segments, 1 character LED ■ **Connectors** INPUT jack, OUTPUT jacks L (MONO)/

R, AUX IN jack (Stereo Mini type), PHONES jack, FOOT SW (COMP ON/OFF, TEMPO), AC Adaptor jack ■ **Power Supply** DC 9 V: Dry batteries (R6/LR6 (AA) type) x 6, AC Adaptor (PSA series: Optional) ■ **Current Draw** 140 mA ■ **Dimensions** 384 (W) x 225 (D) x 78 (H) mm, 15-1/8 (W) x 8-7/8 (D) x 3-1/8 (H) inches, Maximum height: 384 (W) x 225 (D) x 102 (H) mm, 15-1/8 (W) x 8-7/8 (D) x 4-1/16 (H) inches ■ **Weight** 3.15 kg / 7 lbs (including batteries) ■ **Accessories** Owner's Manual, Dry Batteries (Alkaline: LR6 (AA) type) x 6, Roland Service (Information Sheet) ■ **Options** AC Adaptor: BOSS PSA series, Foot Switch: BOSS FS-5U

* 0 dBu=0.775 Vrms
* The specifications are subject to change without notice.

BR-1600CD Digital Recording Studio



BOSS' Ultimate 16-Track Studio.

The BR-1600CD Digital Recording Studio combines BOSS' famous, easy-to-use interface with eight XLR inputs for recording eight tracks simultaneously. This affordable 16-track recorder comes loaded with effects for guitars and vocals—including COSM® Overdrive/Distortion, Amp Modeling and a new Vocal Tool Box—plus convenient PCM drum and bass tracks, a 40GB hard drive, CD-R/RW drive and USB port. It's the perfect way to record your band.

COSM
V-LINK
USB



*Actual product appearance may be subject to change.

- 16-track (256 V-Track) digital studio with 40GB hard drive and CD-R/RW drive
- Record all 8 XLR inputs simultaneously—ideal for tracking live performances
- Powerful onboard effects including COSM modeling for guitar, bass and vocals
- New Vocal Tool Box with auto pitch correction and Harmony Sequence function
- 16 individual Track EQs, plus 8 dedicated compressors
- Mastering Tool Kit with multi-band compression for loud and punchy CDs
- Create backing tracks quickly via independent Drum/Bass and Loop Phrase tracks
- USB port for easy data exchange, plus V-LINK video control*

*V-LINK requires Edirol DV-7 PR with software version 1.5 or higher.

Easy Multitrack Recording

The BR-1600CD includes eight sweet-sounding XLR microphone inputs with phantom power. Use them to mic up a drum set or to record your entire band in a single pass. Recording eight tracks at once is easy, thanks to a new "Multi-Track" recording mode—just pick your inputs and start recording while taking advantage of powerful channel effects like a compressor, 3-band EQ and bass cut filter.

Superb Guitar and Vocal Effects

Plug into the BR-1600CD and you've got an arsenal of world-class BOSS effects ranging from reverb, delay and modulation to the latest modeling effects for guitar, bass and vocals. These include powerful overdrive/distortion and amp modeling identical to the BOSS GT-6, acoustic and bass effects, plus mic modeling and a new Vocal Tool Box. This special algorithm includes auto pitch correction to keep you in tune, plus a Harmony Sequence function for creating realistic harmonies—no background singers needed!

Build Your Own Backing Tracks

The BR-1600CD now includes separate Drum, Bass and Loop Phrase tracks for creating complete backing arrangements. The Drum and Bass tracks come with high-quality PCM sounds. The Loop Phrase track can be loaded with user samples, or you can choose from a collection of loop phrases pre-loaded onto the hard disk. Using these tracks, you can build professional-quality arrangements for your guitar and vocals.

Complete Connectivity with USB and V-LINK

The BR-1600CD's USB port makes it easy to load .WAV/AIFF files into a track, or export your audio for further editing in software or data backup. Want to integrate video with your music? Using V-LINK and an optional Edirol video editor, you can control and manipulate images using the BR-1600CD's buttons and knobs. It's easy and you'll love the results. With the BR-1600CD, the sky's the limit!



BR-1600CD Specifications

■ **Tracks** Track: 16 V-Track: 256 (16 V-Tracks per each Track) * Up to 8 tracks can be recorded simultaneously, and up to 16 tracks can be played back simultaneously.
■ **Maximum Useful Capacity / Recording Time** Internal Hard Disk: 40 G bytes / Recording Time: 120 hours (conversion in one track) * The recording times shown above are approximate. Times may vary depending on the number of songs and size of imported loop phrase that were created. * The recording time s shown are the total for all tracks used. Therefore, if each of the sixteen tracks contain an equal amount of data, the length of the resulting song will be approximately 1/16 of the time shown.
■ **Signal Processing** AD Conversion: 24 bit, AF Method (Guitar/Bass), 24 bit, ΔΣ Modulation (VOCAL), 24 bit, ΔΣ Modulation (MULTI-TRACK), 24 bit, ΔΣ Modulation (STEREO TRACKS), DA Conversion: 24 bit, ΔΣ Modulation, Internal Processing: 24 bit (digital mixer section), Recording Data: 16 bit linear ■ **Sample Rate** 44.1 kHz
■ **Frequency Response** 20 Hz—20 kHz (+1/-3 dB) ■ **Total Distortion** 0.02 % or less (INPUT SENS : CENTER, 1 kHz at nominal output level) ■ **Nominal Input Level (Variable)** GUITAR/BASS jack: -10 dBu, MIC 1—8 jacks (XLR): -40 dBu, INPUT 1—8 jacks: -10 dBu ■ **Input Impedance** GUITAR/BASS jack: 1 MΩ, MIC 1—8 jacks (XLR): 12.5 kΩ (HOT-COLD), 6.5 kΩ (HOT-GND, COLD-GND), INPUT 1—8 jacks: 22 kΩ ■ **Nominal Output Level** LINE OUT jack: -10 dBu ■ **Output**

■ **Impedance** LINE OUT jack: 2 kΩ, PHONES 1, 2 jack: 100 Ω ■ **Recommended Load Impedance** LINE OUT jack: 20 kΩ or greater, PHONES 1, 2 jack: 8—50 Ω
■ **Residual Noise Level** LINE OUT jack: -90 dBu or less (INPUT SELECT: GUITAR/BASS, input terminated with 1 kΩ, INPUT SENS: CENTER, IIF-A, typ.)
■ **Interface** DIGITAL IN: S/PDIF 16—24 bit (coaxial type), DIGITAL OUT: S/PDIF 16—24 bit (coaxial type), USB connector (B type) ■ **Display** 130 x 36 mm (Backlit LCD)
■ **Connectors** MIDI IN connector, MIDI OUT connector, USB connector, DIGITAL IN connector (coaxial type), DIGITAL OUT connector (coaxial type), FOOT SW jack (1/4 inch phone type), EXP PEDAL jack (Stereo 1/4" phone type), LINE OUT jacks (RCA Phono type), INPUT 1—8 jacks (unbalanced, 1/4" phone type), MIC 1—8 jacks (XLR balanced), PHONES 1 jack (Stereo 1/4" phone type), PHONES 2 jack (Stereo 1/4" phone type), GUITAR/BASS jack (1/4" phone type) ■ **Power Supply** DC 12 V, AC Adaptor (Roland PSB-3U) ■ **Power Consumption** 3 A ■ **Dimensions** 494 (W) x 339 (D) x 99 (H) mm, 19-1/2 (W) x 13-3/8 (D) x 3-15/16 (H) inches
■ **Weight** 4.9 kg / 10 lbs 13 oz (Excluding AC Adaptor) ■ **Accessories** AC Adaptor: PSB-3U, Owner's Manual, Effect Patch List, DISCRETE DRUMS (CD-ROM)

* The specifications are subject to change without notice.

TU-80

Tuner & Metronome



MEMO

Stay In Tune—and In Time.

The BOSS TU-80 brings super-accurate LCD tuning to musicians at a very affordable price, while adding unique high-end features like a built-in metronome and Accu-Pitch™. The pocket-sized TU-80 runs on batteries and can tune almost any instrument, thanks to a chromatic tuning mode and ultra wide tuning range. It even tunes 7-string guitars and 6-string basses—putting the TU-80 in a class all its own.



*Actual product appearance may be subject to change.

- Affordable and reliable LCD tuner with handy, built-in metronome
- Supports chromatic tuning, plus 7-string guitars and 6-string basses
- Accu-Pitch function sounds a tone when pitch is correct
- Reference Tone Play function makes it easy to verify tuning by ear
- Metronome has 7 rhythms, 10 beats and cool animated display
- Ultra-thin body fits easily into a guitar case or pocket

Reliable BOSS Tuning with Accu-Pitch

Thin is in. That's why the new TU-80 was designed to be slim and light enough to fit in your pocket. Best of all, it sports reliable and accurate BOSS LCD tuning, along with Accu-Pitch, which plays a tone when you're in tune. No more looking down at the tuner!

TU-80 Specifications

■ **Tuner** Reference Pitch: A4=435 Hz-446 Hz (1 Hz steps), Tuning Range: E0 (20.6 Hz)-C8 (4186.0 Hz), Internal Tuning Accuracy: ±1 cent ■ **Metronome** Tempo: 30-250, Rhythm Style: Quarter note, Eighth rest and eighth note, Eighth note, Triple, Triple with center rest, Sixteenth note, Clave (3-2, 2-3), Beat: 0-9 ■ **Input Impedance** 680 kΩ ■ **Indicator** LCD Display, Tuning Guide LED ■ **Connectors** Input Jack, Output Jack ■ **Power Supply** Dry Battery (R6/LR6 (AA) Type) x 2 ■ **Power**

■ **Consumption** 3 mA (Metronome mode), 8 mA (Tuner mode and A4=440 Hz input); Expected battery life under continuous use (Carbon): Approximately 100 hours (A4 continuous input) *These figures will vary depending on the actual conditions of use. ■ **Dimensions** 122 (W) x 68 (D) x 21 (H) mm / 4-13/16 (W) x 2-11/16 (D) x 7/8 (H) inches ■ **Weight** 117 g / 5 oz (including batteries) ■ **Accessories** Dry Battery (R6 (AA) Type) x 2, Owner's Manual

* The specifications are subject to change without notice.